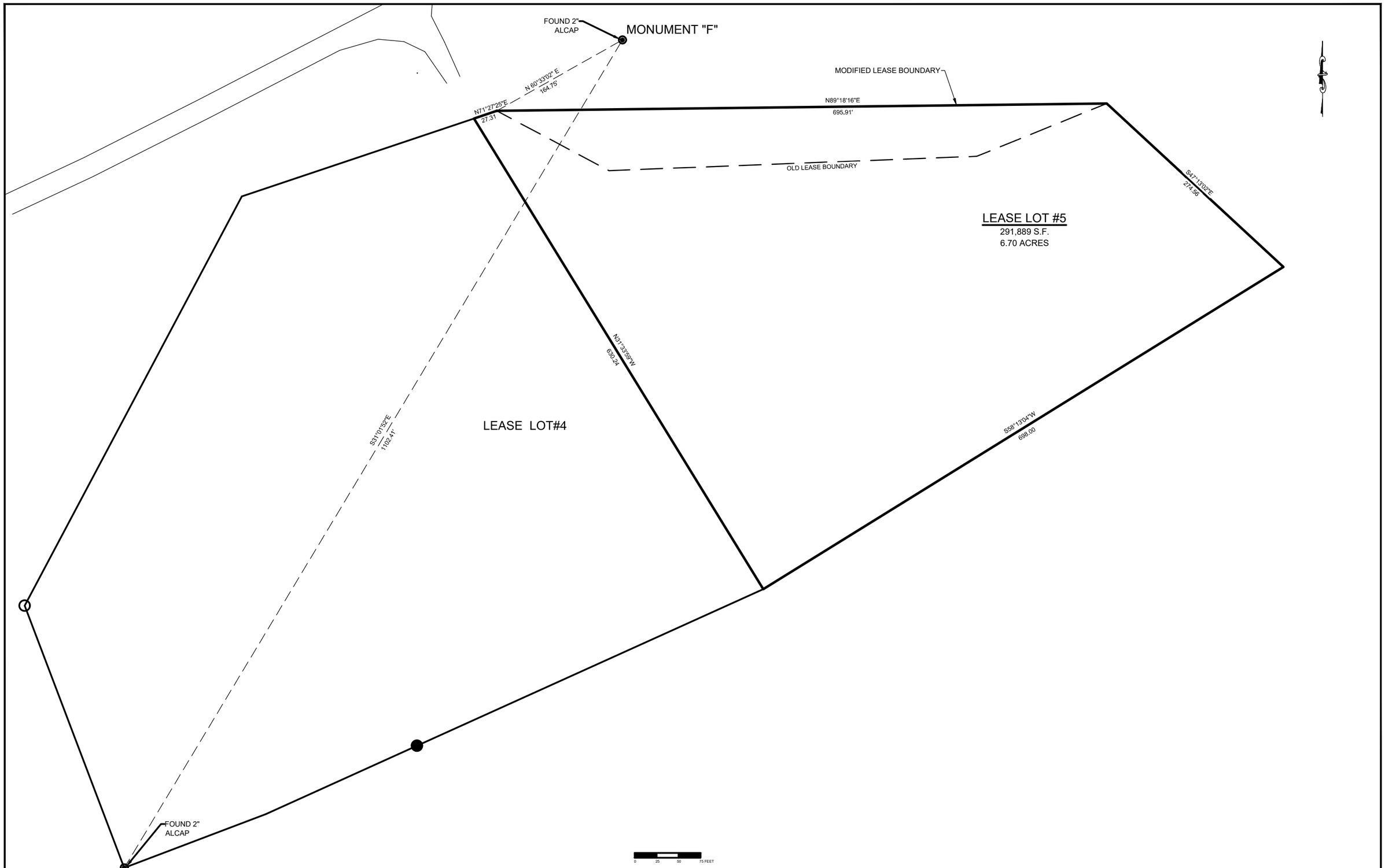
LEASE AREA 5 BOUNDARY SURVEY



Date	No.	Description	By
		REVISION	

Designed: TSS
Drawn: MH
Checked:
Approved:
Date: JULY 8, 2021
PROJECT #: 212708

R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901 AELC 576

Client: MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: LEASE AREA 5 BOUNDARY SURVEY MAP

Sheet No. C1

CONTRACTOR'S WASTE AREA MANAGEMENT PLAN AND ATTACHMENTS

MARBLE ISLAND LLC DBA MARBLE CONSTRUCTION
LEASE AREA 5 WASTE AREA DEVELOPMENT/MANAGEMENT PLAN

July 2021

OVERVIEW

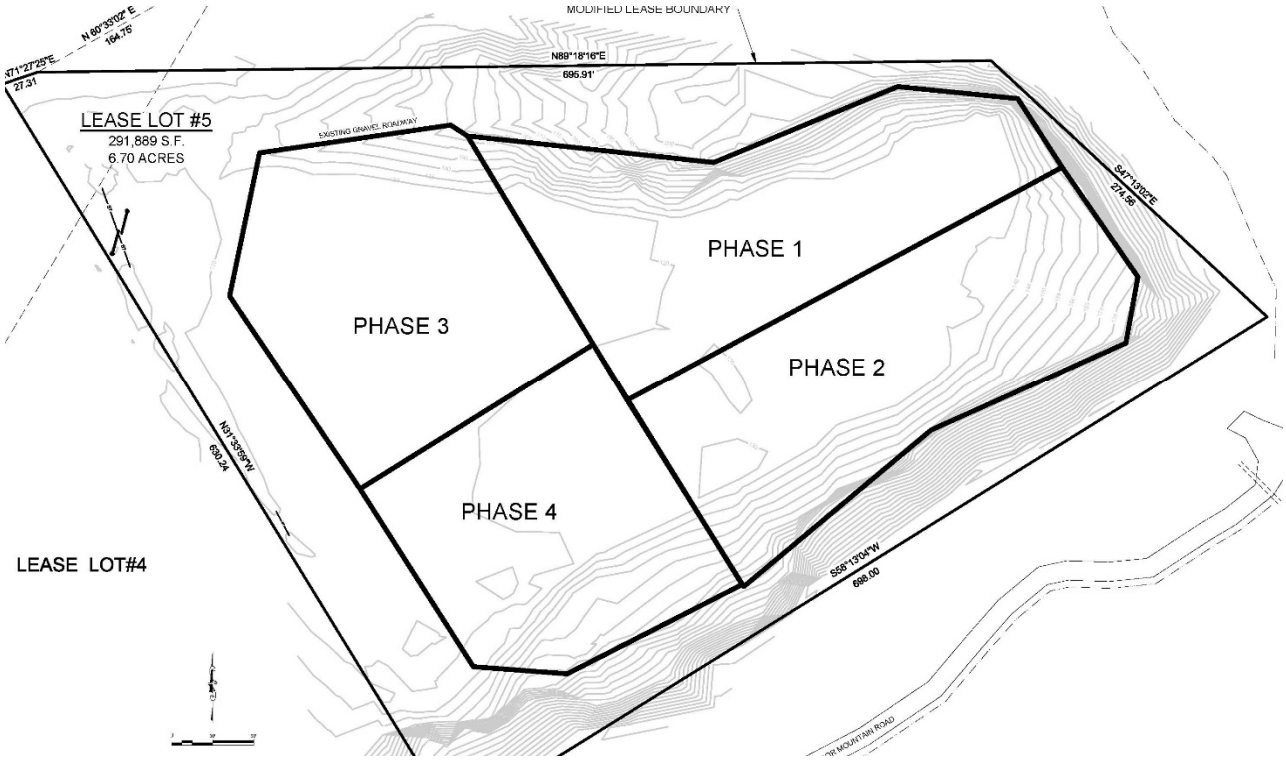
The City and Borough of Sitka (CBS) Granite Creek Waste Area is near capacity, and a new overburden disposal site needs to be developed. CBS intends to engage a contractor to develop a Waste Management Plan and provide Management Services to operate a new overburden disposal site within Lease Area 5 owned by CBS.

Lease Area 5 tract is approximately 6.7 acres in size as shown on the attached Lease Area 5 Boundary Survey. The lease area boundary was adjusted from previous site mapping to accommodate the primary access road. Lease Area 5 is located within the Granite Creek Industrial Area accessible via Granite Creek Road. An aerial vicinity map is provided showingthe location of Lease Area 5. Lease Area 5 has been cleared and partially graded by prior users to accommodate positive drainage to a series of ditches and settlement ponds. CBS had intended the Site for use as is, and additional excavation or blasting was not expected to be performed to put the Site into service. During our review of the existing conditions topography, our team has determined that it is beneficial to both CBS and the contractor to perform a modest amount of additional rock extraction along the south and east quarry slopes to better establish drainage on the east side of the pit floor. The pit floor would be modified for positive drainage from north to south to the newly established ditchline maintaining positive drainage away from the proposed dump zone. Basting on the northwest edge of the quarry will also be performed to create a dump zone height of 50' above the pit floor. Without blasting the highest initial dump zone was 32' above the pit floor which resulted in a limited volume of approximately 59,000 cubic yards or approximately 3.9 years at estimated demand. The combination of blasting to create a higher dump zone at 50' above pit floor, removing additional rock in the pit floor and regrading with rock removal to establish a well-defined ditch to the east will provide a dump volume of approximately 155,000 yards or approximately 10 years of estimated demand.

Placement of material between years 10-20 (phases 3 & 4) will require a berm along the common boundary of Lease Lot 4/5 and then filling that area from above. This area could contain approximately 135,000 yards for an estimated life of 9-10 years. Placement beyond 20 years will require establishing a new dump zone access from the top and back of the quarry. Options would be to extend the roadway along granite creek with fill material or create a dump zone on the east end off Harbor Mountain Road. The dump zone off Harbor Mountain Road will require additional planning effort between CBS and the operator.

The surplus rock will initially be placed along the southwest side of the berm as high as possible to enlarge the dump zone temporarily to create a larger dump area and safer turn around. Once the landfill is filled sufficiently to enlarge the turn around with cap rock, the surplus rock will be extracted and moved off site and the area will be used as a staging area for equipment and topsoil as well as construction materials.

This landfill plan will establish a working area phased for 20 years of disposal at an average of 15,000 yards per year or a total of 290,000 cubic yards of placement.



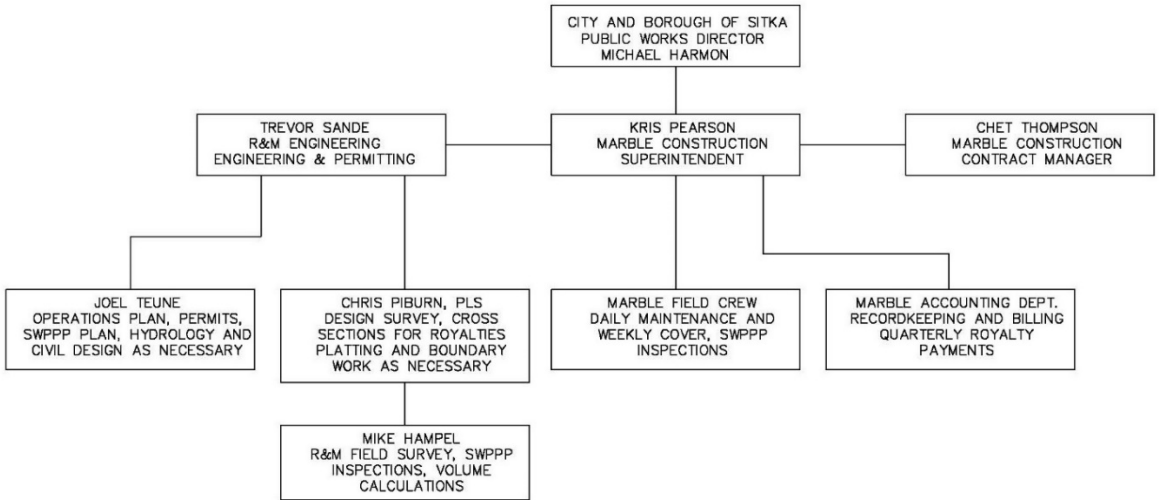
Landfill Phasing Plan (Approximately 5 years per phase)

BUSINESS IDENTIFICATION, LICENSING, AND CONTACT INFO.

Marble Island LLC, dba Marble Construction
7180 Revilla Road, Ste 200
Ketchikan, AK 99901

- Business License #943188
- Alaska Contractors License #35288 w/ Residential Endorsement

ORGANIZAITON CHART



WASTE AREA MANAGEMENT PLAN

The quarry development plan includes a drainage diversion ditch constructed around the west and south sides of the quarry. This will be accomplished using a combination of trenching, rock chipping and some blasting. The drainage ditch will control run-on water from the adjacent hillside and also provide a patch of positive drainage away from all active disposal areas. The drainage ditch will have a positive gradient to the west end of the property where it will enter an established ditchline at the property boundary with existing sediment control basins. The basins are equipped with a controlled outlets that allow for sediments to settle out prior to discharge. During low flows the pond will discharge to granite creek naturally through a shot rock French drain. During high flows the pond will discharge though a culvert pipe.

A key component of fully utilizing the quarry for a 15-year development plan for waste material will be the diversion of all run-on water. There currently is one significant stream that enters the site at the southeast corner (back) of the pit and there are several small drainages that cross Harbor Mountain Road and drain into the pit site. Our plan includes removing and realigning/extending a 36” culvert and redirecting the largest stream into an established drainage that bypasses the pit to the east and carries the water directly to Granite Creek. This would allow filling of the drainageway along the west and south boundaries, better utilizing the available space and expanding the life of the site. The remainder of the smaller drainages are intended to be cut-off from entering the site by altering the ditchline along Harbor Mountain Road. The smaller culverts that cross the road will be reditched to carry the water west toward a well establish drainage that enters the site near the common boundary between Lease Area 4 and 5. The culverts will remain in place as safeguards for flood conditions, but all of the normal rainfall run-on water will be redirected.

Initial operation of the quarry will be accomplished by removing a fixed amount of rock as shown in the plans to create more waste area disposal volume, raise maximum dumping access elevation and facilitate drainage. A berm will be constructed around the northwest corner of the site using waste material hauled from offsite and generated on site. Additional rock will be removed and graded up into an access ramp to allow dumping off a slightly higher elevation to allow longer periods between routine maintenance. A revised baseline survey of the site will be completed when rock removal and site construction is complete. The northwest corner of the site will be the initial dump zone for the first year of operation. As the waste volume grows, we anticipate moving the active dumping area east along the north boundary leaving the south side of the site clear to continue to collect whatever small amount of run-on water remains as well as draining surface water in the pit away from the dump zone. The southwest corner of the site will be used for ancillary operations such as equipment storage and topsoil processing. For a short time, the west end of the property will likely house surplus rock that will serve as berm material and act as fill material for the dump zone. Once the dump zone and berm are fully established the surplus rock will be removed off site to create a flat staging area. We anticipate that the long-term use of the west end of the property will be dedicated to storage of other company related equipment and materials not associated with the active waste area. Eventually even this storage area will be filled with waste, shaped, seeded and closed.

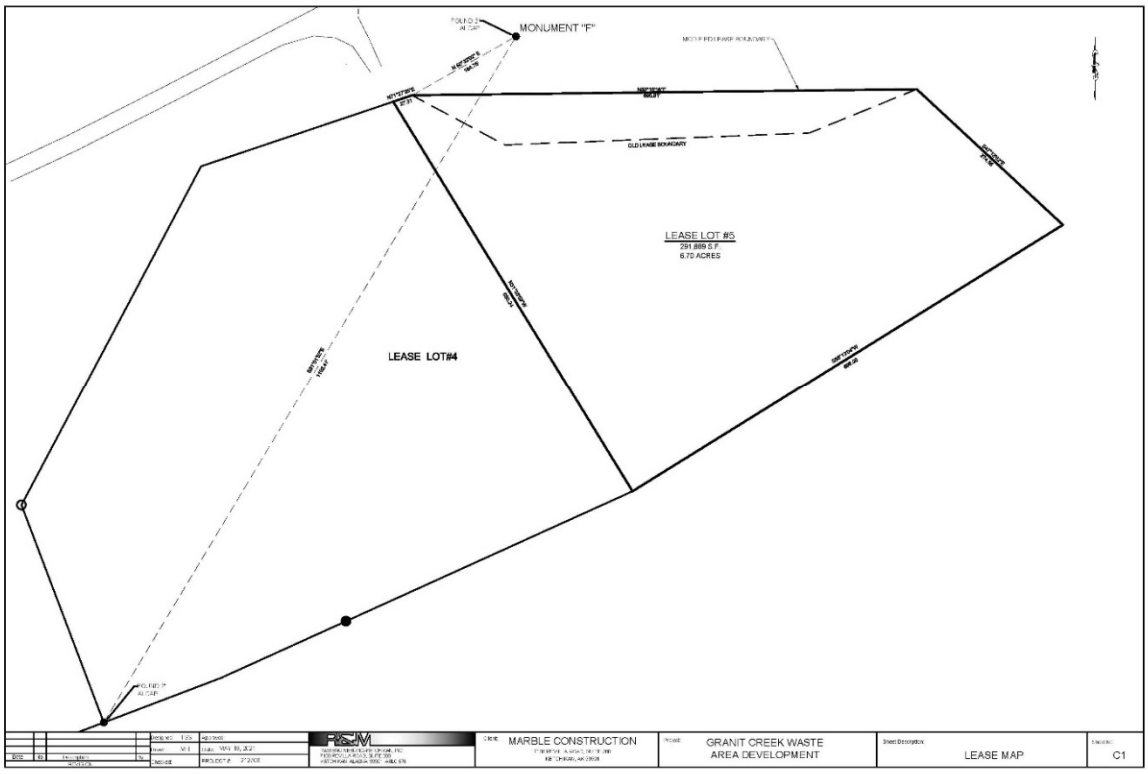
Development Plan Drawings
See Attached Drawings.

Geotechnical information obtained
Prior to submitting the proposal test holes were dug with a track mounted excavator. The test hole information confirmed that depth of the graded pit floor varied 2'-5' to bedrock. No additional geotechnical information was obtained.

Placement and cover requirements
Placement of material will be by end dumping off higher elevation areas. Liquified waste will be contained by the use of berms and techniques to allow piles to dewater before pushing into the landfill with a dozer. Cover material will consist of granular materials generated on site during initial configuration until it is expended; after that cover material will be quarried from the adjacent granite creek borrow pit on Lease Area 9. Cap rock will be placed as necessary over the borrow pit run gravel in a thickness varying between 6" to 12" as necessary for truck access.

Methods for quantification of material disposed or removed from the Site
Truck tallies will be recorded daily and tracked through Excel spreadsheet and tabulated quarterly for royalty payments. Topographic surveys will be performed quarterly with results submitted 45 days after each quarter. The quarterly surveys will be informational only and shall be performed performing using drone scanning to check for discrepancies greater than 20% from daily tabulations. Annual surveying shall be performed using RTK GPS techniques. The annual surveys will be used to reconcile the quarterly reported waste volumes to CBS. Volume reports and cross sections shall be prepared and submitted to CBS by Chris Piburn, PLS.

Existing Conditions Survey, Boundary Lines and Survey Monuments A site survey was conducted by R&M Engineering-Ketchikan, Inc. and the property line data and found reference monuments are shown on the drawings in Attachment 2 and shown below. No monuments were set as part of this work. The lease boundary shown on the drawings was provided created by R&M Engineering and approved by CBS and is not a recorded document.



Inspection and compliance documentation process
Daily inspection and site monitoring shall be performed by the waste area staff with weekly monitoring performed by Kris Pearson. SWPPP monitoring shall be performed by Danielle McGraw monthly and after rainfall events as identified in the approved SWPPP and multi-sector general permit (MSGP). Testing shall follow the schedule outlined in the MSGP. A quarterly report of landfill operations and compliance shall be compiled and provided to CBS.

Disposal techniques for special materials (peat, dredge spoils or other difficult todispose of materials)
Small volumes of materials containing a high moisture content shall be considered incidental to the normal operations of the waste area and should easily be contained by the perimeter berms. In cases of large volumes of liquified materials, it may be necessary to prep the landfill ahead of time and excavate cells to contain the material until dewatered. These cells would likely require additional cap rock and landfill maintenance to accept the material.

Reclamation and continuation plan applicable to termination of Lease or closure of the Site
At the termination of the lease, the landfill side slopes shall be shaped with a dozer at no greater than 4:1 slope and seeded until stabilized. Once stabilized the SWPPP will be closed and the lease terminated. All material and equipment shall be removed from the lease lot. The lot shall be graded for positive drainage and the catchment ditches and detention ponds will be left in place for long term

sediment control. If the site can be cleanly transferred to a subsequent lessee along with the SWPPP and other active permits and agreements, full stabilization may not be required at the discretion of CBS and with the concurrence of the subsequent lessee.

Permitting requirements

Coverage under the EPA multi-sector permit (MSGP) is required for this site. A conditional use permit has been previously issued by CBS (amended April 21, 2021) for granite creek operations which include this site. Much of the conditional use permit pertains to the disposal of municipal sludge and not applicable to these activities. The applicable portions of the conditional use permit including hours of operation shall be part of this management plan.

Erosion Control and Protection of Waters

A stormwater pollution prevention plan (SWPPP) was prepared in accordance with the EPA MSGP for industrial operators. All road and drainage plans and best management practices are construction and operations in connection with this plan are designed to avoid siltation to Granite Creek and associated tributaries. Construction equipment, waste fill stockpiles, etc. shall not be stored within 25 feet of Granite Creek.

A copy of the SWPPP is included in Attachment 3.

Proposed Cost Recovery Methods

Operator shall be responsible to collect Disposal Fees at the Site. Disposal Fee is defined as the gross fee per cubic yard charged to the public by Contractor for disposal of overburden at the Site. Sales Tax will be collected on all transactions at the Site and remit said tax along with CBS Payment. Quarterly reports of volumes wasted at the Site or removed from the Site shall be provided. The rate for landfill use shall be as follows:

Pickup truck/trailer	$12.00 per load
10 cubic yard dump truck	$4.80 per yard

The tickets in the tally shack are shown below:

MARBLE CONSTRUCTION

Marble Island LLC, dba Marble Construction
601 Alice Loop, Ste #104
Sitka, AK 99835 (907) 623 - 0760

CONTRACTOR INFORMATION	# OF LOADS	TRUCK SIZE	
DATE		5 CY DUMP TRUCK	$24/Load
DRIVER NAME:		10 CY DUMP TRUCK	$48/Load
COMPANY NAME		15 CY DUMP TRUCK	$72/Load
ADDRESS		20 CY DUMP TRUCK	$96/Load
PHONE NUMBER		30 CY DUMP TRUCK	$144/Load
EMAIL		PICKUP TRUCK	$12/Load

Signage at the entrance shall be as follows:

Royalties

Royalties will be paid to CBS quarterly based on tabulated daily quantities and reconciled annually at a minimum based on surveyed in-place quantities of the active waste area. Calculations for payment will include all overburden, rock capping and maintenance rock, and also surplus rock generated from approved site development and subsequently removed from the site. Stockpiles of maintenance rock will not be quantified until placed into the monofil or removed from the site. Royalties will be paid at $0.50 per cubic yard for overburden accepted and surplus native rock hauled off site in accordance with the proposal. The royalty for rock hauled off site has been reduced from the local standard rate of $1.55 per cubic yard to account for cost sharing needed to divert run-on water from Harbor Mountain Road away from the dump site. No additional payment will be required for rock mined from the bottom or sides of the quarry for its use in site operations.

Proposed Access Modifications

A new road will be placed around the north edges of the quarry. Refer to Sheet C2 for plan of the roadway and dump area. The road will begin at the northwest corner of the site and proceed along the edge of granite creek. A shot rock pad will be excavated from the existing slopes of the quarry and will serve as the base for the new active dumping cells.

Proposed Dump Procedure

Marble will construct a dedicated trucking route for waste disposal that will require all trucks to pass a tally shack where truck and driver info can be entered daily. The tally will be entered into a log book by each driver with notes about customer info, and the number of loads. Each customer will stop and report the time, date, name and address, type of load and size of load delivered. Load counts will be entered on the honor system. The customers will then be directed to deposit acceptable waste into designated drop-off location. The daily operator on site will reject waste types not accepted at the landfill. The customers will dump waste and the operator will push waste

daily into the disposal area and cap the area as necessary with maintenance rock. Marble will hire Advanced Communications to set up security on site using both motion detecting equipment and cameras to allow verifications of landfill use as necessary. Invoicing to customers will be based on a truck count tally from the log book and will be performed monthly. A spreadsheet of the landfill volumes will be kept at the Sitka office and will be available at all times for the previous month. Marble proposes to provide an updated survey scan of the waste area quarterly to audit the operations tally.

Proposed Cover Materials

The former quarry has a large volume of rock that will be required to be excavated along the toes of slopes, pit floors and several rock benches along the edges of the former quarry. These areas will be excavated to increase the potential volume of waste that can be deposited into the new waste area as well as create positive drainage as required in the SWPPP plan. The excavated material will then be used as maintenance cover material over the active working face. The new slope along the east boundary of the waste area will be deposited to a minimum of 3:1 horizontal/vertical slope. A slope stability analysis could be performed as necessary to determine the stability of a steeper slope. It is estimated that approximately 20,000 cubic yards of cover material could be excavated from this location which greatly exceeds the cover needs for the next 15 years. Surplus cover material will initially be used to both create a berm and also establish a larger turning area for dumping. As the landfill becomes more established and the dumping zone exceeds the minimum required for safety, the surplus rock will be removed offsite to create a larger staging area. At least 8,000 yards of rock will be maintained on site for use as maintenance and cap rock.

Waste Area Management Services

- Obtaining and maintaining all necessary permits, including applications, payment, inspection, and reporting. CBS shall be copied on all permitting and regulatory correspondence, including reporting.
- Daily oversight of the acceptance and disposal of overburden, brush, and otherorganic debris from land development work in the Sitka area.
- Controlling access to the Site. Operating hours are 7:00 AM to 7:00 PM, daily in accordance with the Conditional Use Permit as modified by CBS on April 21, 2021. Site shall be open to the public, at a minimum, 8:00 AM to 4:00 PM, Monday through Saturday.
- Providing cover material for road access to dumping fronts.
- Maintaining records of material entering or leaving the Site.
- Collecting Disposal Fees
- Comply with conditional use permits for waste area operations.
- Providing quarterly reports to CBS summarizing all site activities and transactions including but not limited to site usage logs, permit compliance or violations, sub lessee activities, fill summary, native material relocations and payment summary.
- Provide annual cross section and report to CBS clearly delineating development from pre development survey and each subsequent survey.

The Operators responsibilities will also include:

1. Weighing or estimating waste volumes and recording of all solid waste brought to the Landfill. The operator shall estimate loose waste volumes from the following formula:

Volume (yards) = length (ft) x width (ft) x Height (ft) / 27 cubic-yards

For example: a pickup with a bed measuring 4'x8' with waste piled 3' high would yield 4x8x3 / 27 = 2.55 yards.

2. Maintaining adequate maintenance rock on site and tracking quantity of any surplus rock that is hauled away for royalty payment via survey.

3. Providing daily operational supervision of the land fill site.

4. Assuring that unauthorized wastes deposited in the landfill are minimized to the maximum extent possible. Assuring that all unacceptable wastes found are removed and deposited in locations specifically designated and approved by the City.

5. Maintaining access roads including grading, plowing, and sanding.

6. Providing year-round access to the waste sites for dump trucks and other vehicles.

7. Ensuring that the site is maintained in neat order by conducting litter cleanup of the entire site including access roads, around the building, around the perimeter of the landfill, and along the tree line.

8. Properly operating and maintaining all equipment.

9. Taking all reasonable precautions to protect facilities and equipment from damage due to operations, normal wear and tear, weather, fire, etc.

10. Implementing a safety program to minimize chances of injury to the operators, and the public when using the facility.

11. Adhering to detailed operating guidelines (as periodically amended).

<u>Record Keeping</u>

The following records should be kept at the site:

a. Permits and regulatory correspondence.
b. Site plans, maps, cross sections, etc.
c. Operational procedures
d. Records of inspections: Visual Inspection Forms
e. Safety procedures
f. Fill summary and site usage logs. Volumes of waste should include the amount of waste received
g. Topsoil and other transactions
h. Sub lessees activities and transactions
i. Payment and invoicing summary

The following records will be kept off-site at the Marble Shop

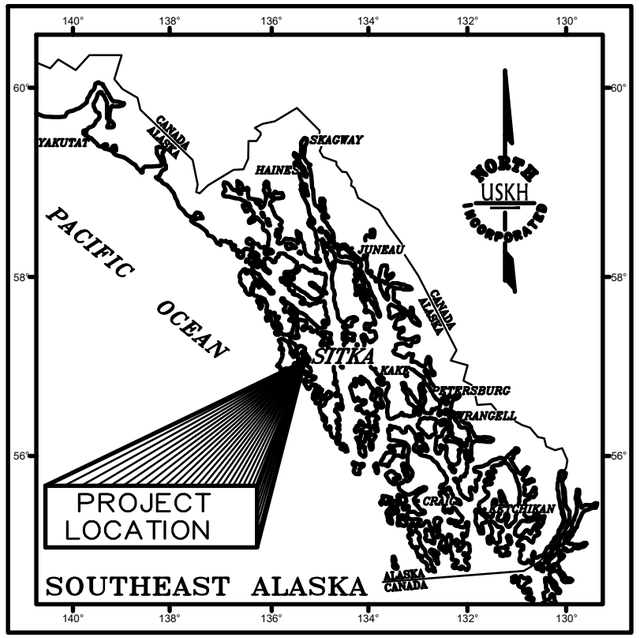
a. Monitoring results, including surface water

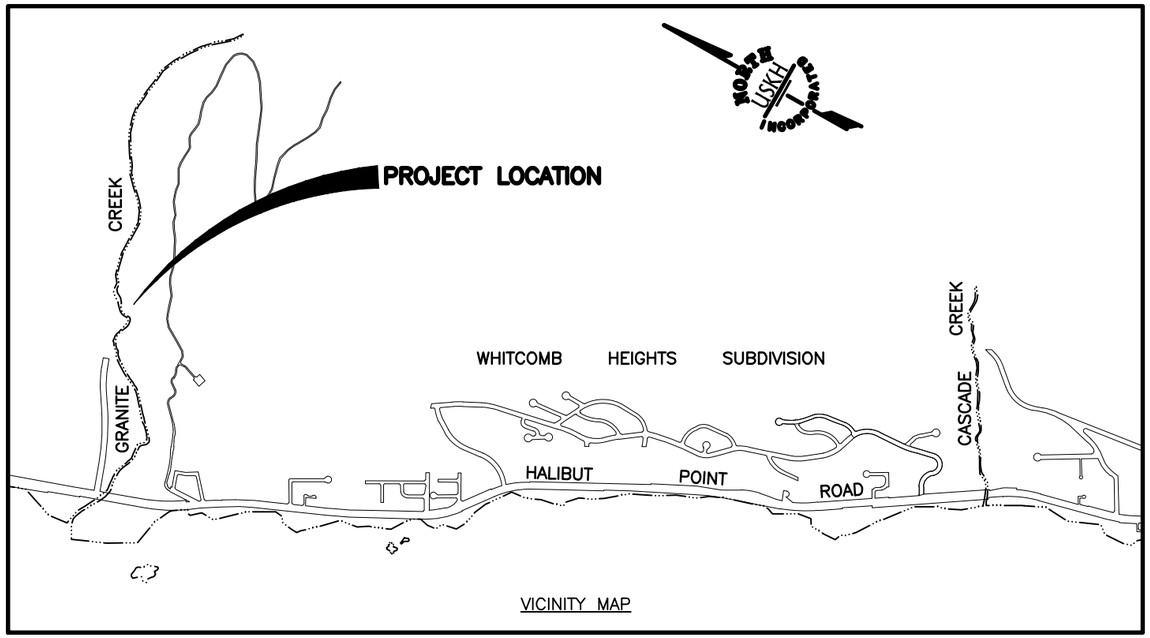
Attachments

1. Lease Area Boundary Survey
2. Landfill Management Plan Drawings
3. SWPPP
4. Conditional Use Permit

MARBLE CONSTRUCTION

GRANITE CREEK LEASE LOT 5 DEVELOPMENT





VICINITY MAP

INDEX	
SHEET NO.	DESCRIPTION
T1	COVER SHEET
C1	LEASE AREA BOUNDARY SUREY MAP
C2	EXISTING CONDITIONS
C3	PHASE 1 & 2 LANDFILL DEVELOPMENT
C4	PHASE 3 & 4 LANDFILL DEVELOPMENT
C5	PHASING PLAN
S1	TYPICAL SECTIONS
D1 & D2	DETAILS

Date	No.	Description	By
		REVISION	

Designed: TSS
Drawn: MH
Checked:
Approved:
Date: JULY 8, 2021
PROJECT #: 212708

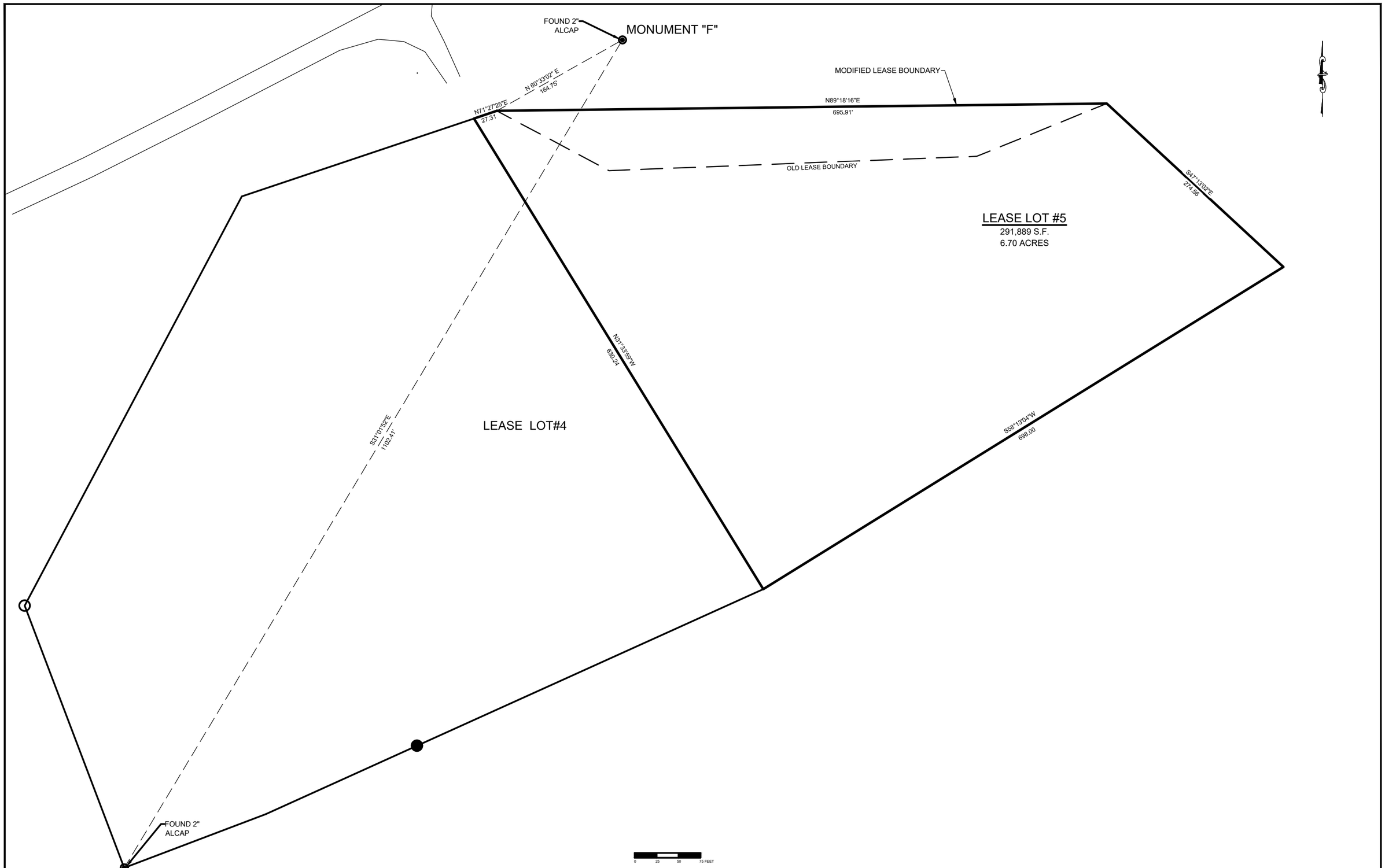
R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901

MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: COVER SHEET

Sheet No. T1



Date	No.	Description	By
		REVISION	

Designed: TSS
Drawn: MH
Checked:
Approved:
Date: JULY 8, 2021
PROJECT #: 212708

R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901 AELC 576

Client: MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: LEASE AREA 5 BOUNDARY SURVEY MAP

Sheet No. C1

MODIFIED LEASE BOUNDARY

N89°18'16"E
695.91'

N71°27'25"E
27.31

N 60°33'02" E
164.75'

EXISTING GRAVEL ROADWAY

OLD LEASE BOUNDARY

S47°13'02"E
274.56

LEASE LOT #5
291,889 S.F.
6.70 ACRES

N31°33'59"W
630.24

S58°13'04"W
698.00

LEASE LOT#4

HARBOR MOUNTAIN ROAD

0 30' 60'

Date	No.	Description	By
		REVISION	

Designed: TSS
Drawn: MH
Checked:
Approved:
Date: JULY 8, 2021
PROJECT #: 212708

R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901

Client: MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: EXISTING CONDITIONS

Sheet No. C2

MODIFIED LEASE BOUNDARY

N 60°33'02" E
164.75'

N71°27'25"E
27.31

SILT FENCE

N89°18'16"E
695.91'

EXCAVATE ROCK TO ELEVATION
170' FOR DUMP AREA

200'

15.0'

162'

EXISTING GRAVEL ROADWAY

PHASE 1 & 2 DUMP AREA
EL. 180

36'

96'

132'

TEMPORARY DUMP
ZONE

S47°13'02"E
274.56

REMOVE EXCESS ROCK FROM
TOE OF SLOPES TO
CONSTRUCT DITCHLINES

SEDIMENT
POND

GATE

24" CPP
CULVERT

LEASE LOT #5
291,889 S.F.
6.70 ACRES

SLOPE TO DRAIN

SLOPE TO DRAIN

CAP ROCK AND SURPLUS ROCK STOCKPILE

PHASE 1 & 2 BERM

TEMPORARY BREAK IN BERM DURING
SHORT TERM TEMPORARY DUMPING
CLOSE GAP WHEN PHASE 1 DUMP ZONE
CONSTRUCTION IS COMPLETED

NEW DITCH FLOW LINE 129'

NEW 100' x 36" CMP TO MATCH
EXISTING FLOW LINE AT INLET AND
DIVERSION CHANNEL
TO BE COORDINATED WITH CBS
TO ELIMINATE RUN-ON WATER

CHECK
DAMS

N31°33'59"W
630.24

24" CMP
CULVERT

SILT FENCE

N31°33'59"W
630.24

REMOVE EXISTING PIPE

18" CPP

NEW DRAINAGE DITCH TO
DIVERT ALL RUN-ON WATER
FALLING FROM THE HILLSIDE

S58°13'04"W
698.00

CHECK
DAM

CHECK
DAM
(TYP)

24" CULVERT INLET 128.0
CONSTRUCT FRENCH DRAIN
AT INLET FOR SILT CONTROL

LEASE LOT#4

24" CULVERT OUTLET 127.5

REGRADE EXISTING DITCHLINE TO DIVERT WATER
FROM EXISTING 24" CROSS CULVERTS TO REDUCE
RUNON WATER FROM SITE

0 30' 60'

HARBOR MOUNTAIN ROAD

MATCH EXISTING FLOW LINE 127±

Date	No.	Description	By
		REVISION	

Designed: TSS
Drawn: MH
Checked:
Approved:
Date: JULY 8, 2021
PROJECT #: 212708

R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901

Client: MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: PHASE 1 & 2 LANDFILL DEVELOPMENT

Sheet No. C3

MODIFIED LEASE BOUNDARY

N 60°33'02" E
164.75'

N71°27'25"E
27.31

SILT FENCE

N89°18'16"E
695.91'

15.0'

EXISTING GRAVEL ROADWAY

S47°13'02"E
274.56

SEDIMENT POND

GATE

24" CPP CULVERT

LEASE LOT #5
291,889 S.F.
6.70 ACRES

PHASE 3 & 4 YARD AREA

PHASE 3 & 4 LANDFILL AREA

PHASE 3 & 4 BERM

PHASE 3 & 4 DUMP ZONE

400'

CHECK DAMS

N31°33'59"W
630.24

CHECK DAM (TYP)

EXISTING CULVERT

SILT FENCE

CHECK DAM

S58°13'04"W
698.00

NEW DRAINAGE DITCH TO DIVERT ALL RUN-ON WATER FALLING FROM THE HILLSIDE

24" CULVERT INLET 127.5
CONSTRUCT FRENCH DRAIN AT INLET FOR SILT CONTROL

HARBOR MOUNTAIN ROAD

MATCH EXISTING FLOW LINE 127±

LEASE LOT#4

0 30' 60'

Date	No.	Description	By
		REVISION	

Designed: TSS | Approved:
Drawn: MH | Date: JULY 8, 2021
Checked: | PROJECT #: 212708

R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901

Client: MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: PHASE 3 & 4 LANDFILL DEVELOPMENT

Sheet No. C4

MODIFIED LEASE BOUNDARY

N89°18'16"E
695.91'

N71°27'25"E
27.31

N 60°33'02" E
164.75'

LEASE LOT #5
291,889 S.F.
6.70 ACRES

EXISTING GRAVEL ROADWAY

S47°13'02"E
274.56

PHASE 1

PHASE 2

PHASE 3

PHASE 4

N31°33'59"W
630.24

S58°13'04"W
698.00

LEASE LOT#4

HARBOR MOUNTAIN ROAD

0 30' 60'

Date	No.	Description	By
		REVISION	

Designed: TSS
Drawn: MH
Checked:
Approved:
Date: JULY 8, 2021
PROJECT #: 212708

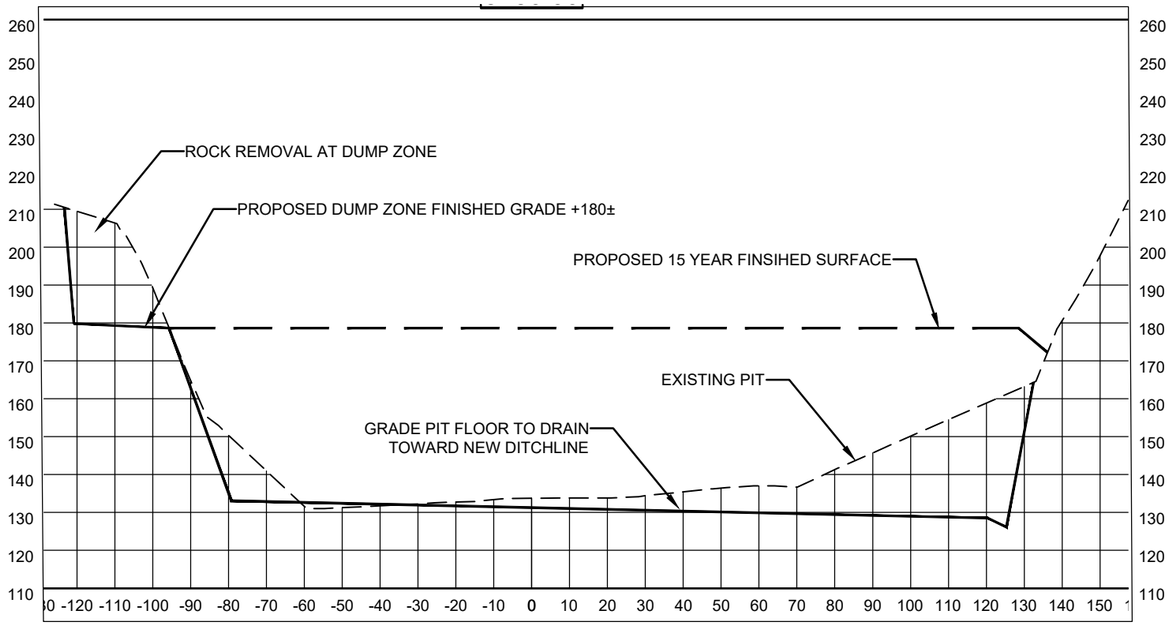
R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901

Client: MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

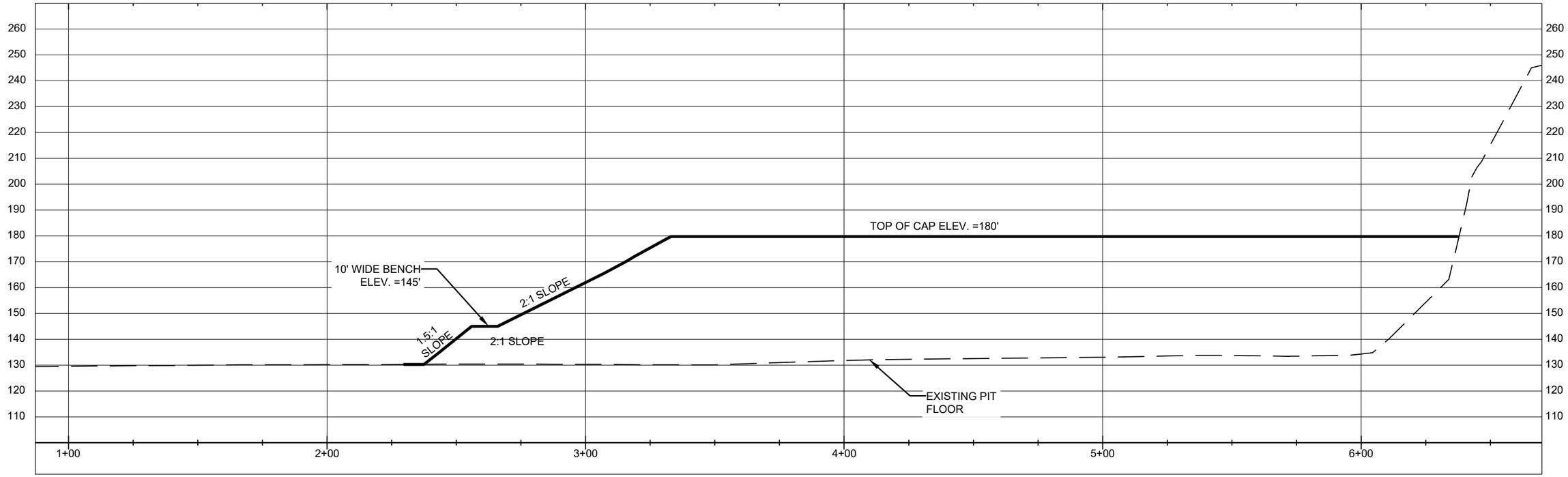
Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: PHASING PLAN

Sheet No. C5



TYPICAL LANDFILL SECTION



TYPICAL LANDFILL PROFILE

Date	No.	Description	By
		REVISION	

Designed: TSS
Drawn: MH
Checked:
Approved:
Date: JULY 8, 2021
PROJECT #: 212708

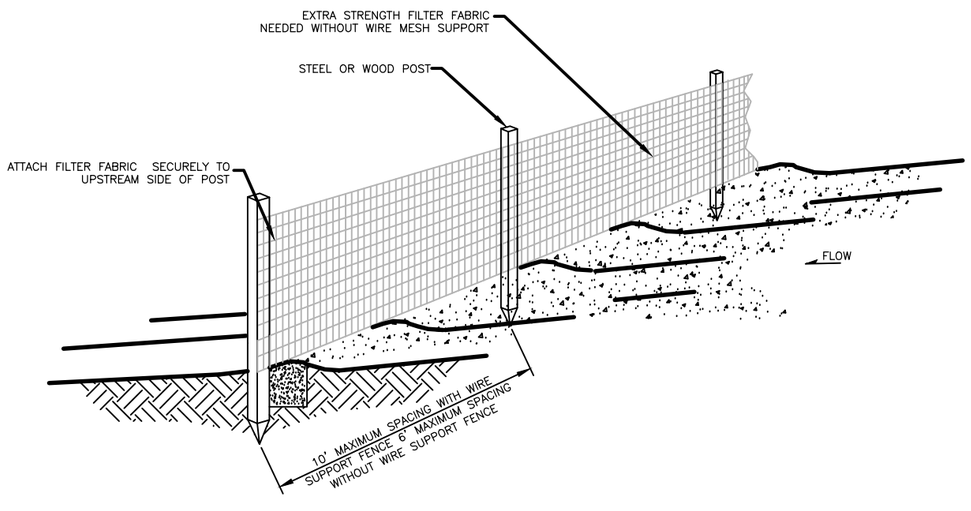
R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901

Client: MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

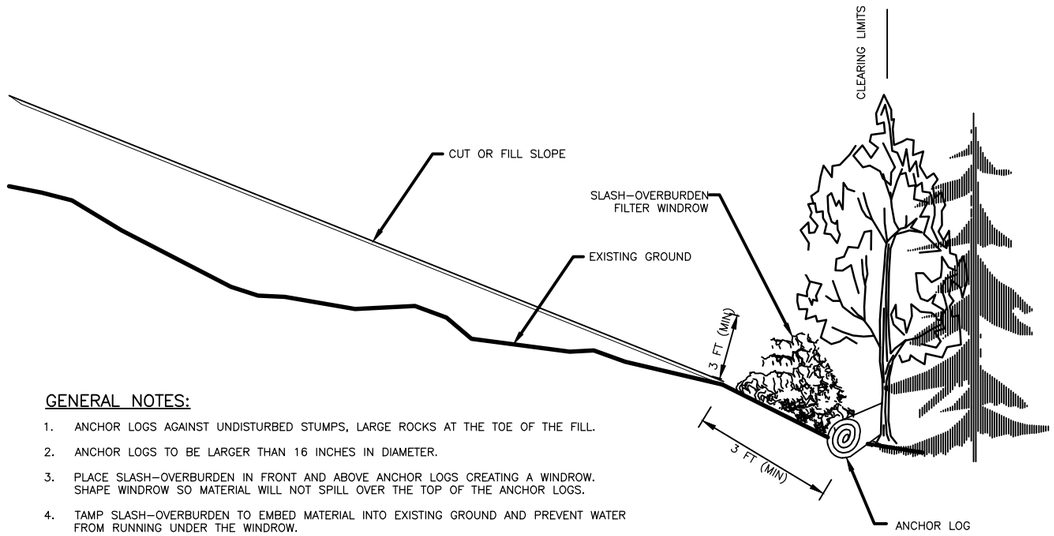
Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: SECTION VIEWS

Sheet No. S1



1 / D–1 **TRENCH DETAIL**
NTS



GENERAL NOTES:

1. ANCHOR LOGS AGAINST UNDISTURBED STUMPS, LARGE ROCKS AT THE TOE OF THE FILL.
2. ANCHOR LOGS TO BE LARGER THAN 16 INCHES IN DIAMETER.
3. PLACE SLASH–OVERBURDEN IN FRONT AND ABOVE ANCHOR LOGS CREATING A WINDROW. SHAPE WINDROW SO MATERIAL WILL NOT SPILL OVER THE TOP OF THE ANCHOR LOGS.
4. TAMP SLASH–OVERBURDEN TO EMBED MATERIAL INTO EXISTING GROUND AND PREVENT WATER FROM RUNNING UNDER THE WINDROW.
5. CREATE A SLASH–OVERBURDEN FROM EXISTING BRUSH, TREE LIMBS, VEGETATION AND ORGANICS. SLASH MATERIAL SHALL BE SMALLER THAN 4 INCHES IN DIAMETER AND LESS THAN 12 FEET LONG. TREES AND LIMBS MAY BE CHIPPED OR SHREDDED TO BE USED IN SLASH–OVERBURDEN. LOGS AND STUMPS SHALL NOT BE USED FOR SLASH–OVERBURDEN.
6. DO NOT PLACE WINDROWS WHERE THEY WILL BLOCK OR INTERFERE WITH DRAINAGE STRUCTURES AND DRAINAGE CHANNELS.
7. PRIOR TO CONSTRUCTION OF WINDROWS, STAKE LOCATIONS OF WINDROWS FOR APPROVAL BY THE ENGINEER.
8. SPREAD SLASH–OVERBURDEN MATERIAL EVENLY OVER THE FINISHED SLOPE TO STABILIZE THE SLOPE.
9. SPREAD SLASH–OVERBURDEN CONCURRENTLY WITH FILL CONSTRUCTION TO PREVENT LARGE AREAS OF SLOPES FROM BEING EXPOSED.
10. PLACE TOPSOIL AND STABILIZATION MATTING IN AREAS THAT DO NOT HAVE ENOUGH OVERBURDEN TO STABILIZE THE EXPOSED SOILS, AS DIRECTED BY THE ENGINEER. SEED ALL DISTURBED AREAS.

2 / D–1 **SLASH–OVERBURDEN FILTER WINDROW**
NTS

Date	No.	Description	By
		REVISION	

Designed: TSS | Approved:
Drawn: MH | Date: JULY 8, 2021
Checked: | PROJECT #: 212708

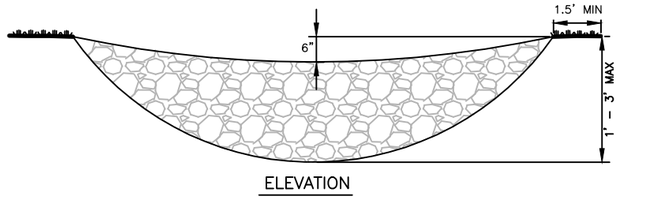
R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901

MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

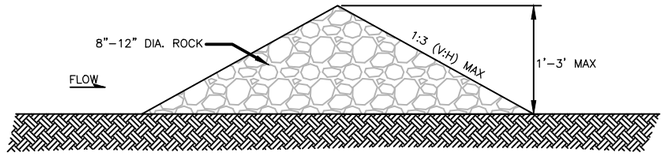
Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: SWPPP DETAILS

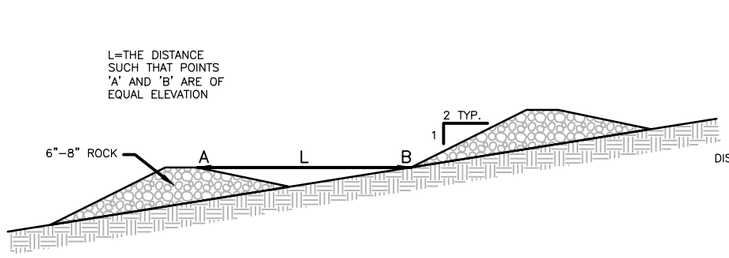
Sheet No. D1



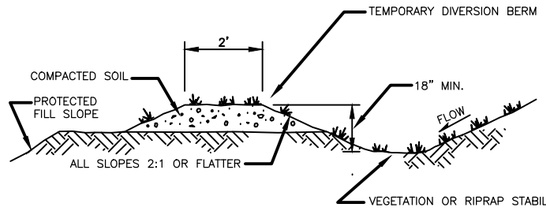
ELEVATION



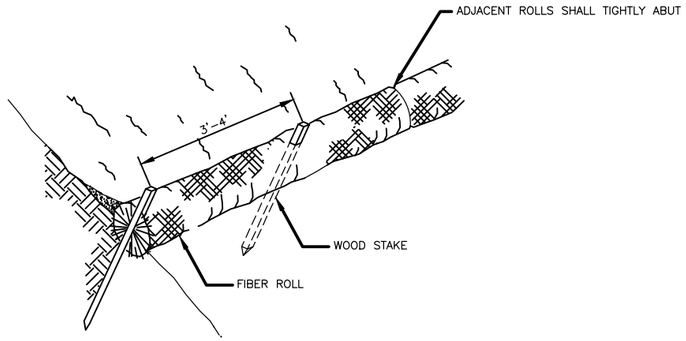
TYPICAL ROCK CHECK DAM SECTION

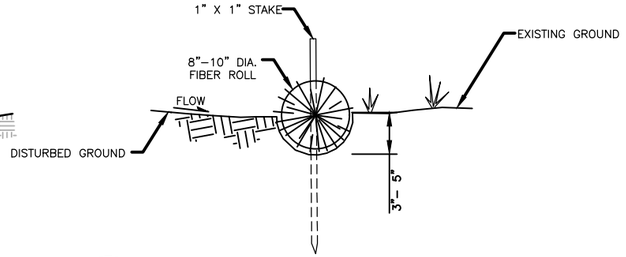


1 D–2 **ROCK CHECK DAM**
N.T.S.



2 D–2 **TEMPORARY DIVERSION BERM TO REDIRECT WATER**
N.T.S.





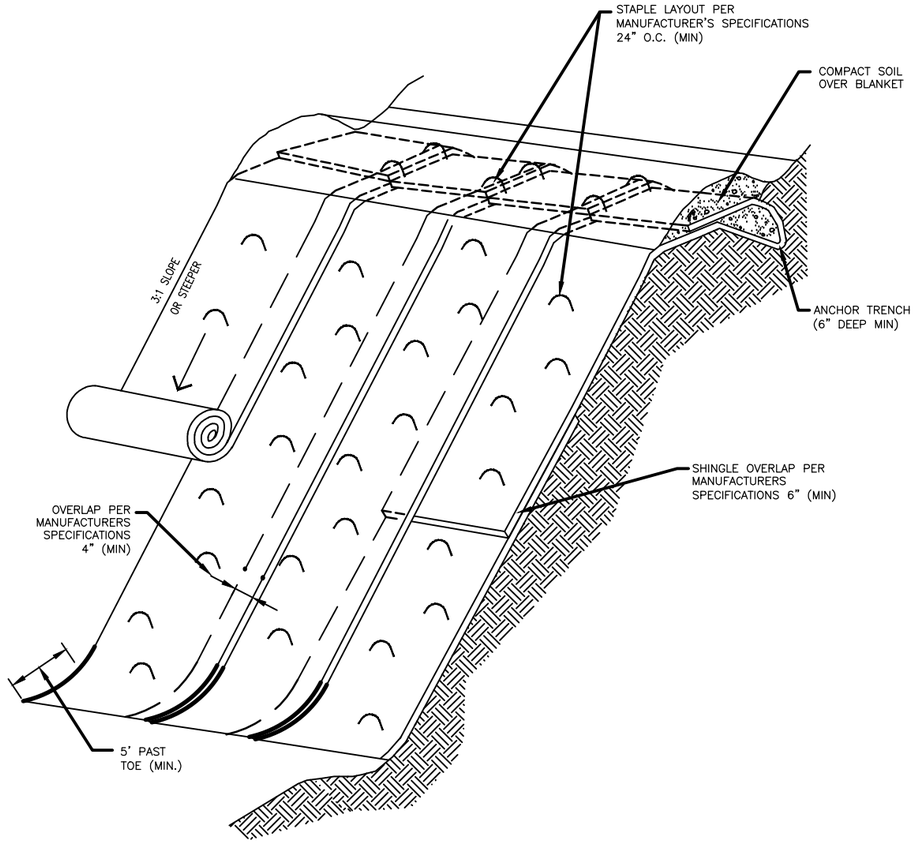
3 D–2 **FIBER ROLLS**
N.T.S.

FIBER ROLLS GENERAL NOTES:

1. FIBER ROLLS TO BE USED ON SLOPES WHERE SOIL STABILIZATION MATTING ALONE IS INADEQUATE.
2. SLOPE INCLINATION OF 1:4 TO 1:2, FIBER ROLLS SHALL BE PLACED ON SLOPES 15' APART. ON SLOPE INCLINATION OF 1:2 OR GREATER, FIBER ROLLS SHALL BE PLACED ON SLOPES 10' APART.
3. FIBER ROLLS ARE TYPICALLY LEFT IN PLACE FOR REMOVAL.

FIBER ROLLS MAINTENANCE AND INSPECTION:

1. REPAIR OR REPLACE SPLIT, TORN, UNRAVELING, OR SLUMPING FIBER ROLLS.
2. MAINTAIN FIBER ROLLS TO PROVIDE AN ADEQUATE SEDIMENT HOLDING CAPACITY. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT ACCUMULATION REACHES THREE QUARTERS OF THE BARRIER HEIGHT.



4 D–2 **SOIL STABILIZATION MATTING**
NTS

SOIL STABILIZATION MATTING GENERAL NOTES:

1. TOP OF MATTING MUST BE ANCHORED PER MANUFACTURER'S RECOMMENDATIONS.
2. MATTING SHOULD BE INSTALLED VERTICALLY DOWN SLOPE.
3. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
4. LAY MATTING LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
5. MATTING SHALL BE RE–ANCHORED WITH ANCHOR TRENCH HALF WAY DOWN THE SLOPE ON ALL SLOPES LONGER THAN 60 FEET OR PER MANUFACTURERS SPECIFICATIONS.

Date	No.	Description	By
		REVISION	

Designed: TSS | Approved:
Drawn: MH | Date: JULY 8, 2021
Checked: | PROJECT #: 212708

R&M ENGINEERING-KETCHIKAN, INC.
7180 REVILLA ROAD, SUITE 300
KETCHIKAN, ALASKA 99901

MARBLE CONSTRUCTION
7180 REVILLA ROAD, SUITE 200
KETCHIKAN, AK 99901

Project: GRANIT CREEK WASTE AREA DEVELOPMENT

Sheet Description: SWPPP DETAILS

Sheet No. D2

Industrial SWPPP Template

Introduction

To help you develop a SWPPP that is consistent with the 2020 MSGP, the Alaska Department of Environmental Conservation (DEC) has created this Industrial SWPPP Template (or, "the Template"). Use of the Template will help ensure that your SWPPP addresses all the necessary elements required in Part 5 of the 2020 MSGP.

Before completing the Template, make sure you read and understand the requirements in the 2020 MSGP. A copy of the MSGP is available at. http://dec.alaska.gov/water/wastewater/stormwater/multisector/

Completion of the Industrial SWPPP template will assist with filing the Notice of Intent (NOI) for MSGP permit coverage.

Using the Industrial SWPPP Template

Tips for completing the Template:

- **This Template is designed for use by all facilities eligible for coverage under the 2020 MSGP. The Template is NOT tailored to your individual industrial sector. Depending on which industrial sector you fall under (see Appendix D of the 2020 MSGP), you will need to address additional SWPPP requirements outlined in Part 11 of the 2020 MSGP, respectively.**
- **Complete a SWPPP *before* submitting your Notice of Intent (NOI) for permit coverage.**
- **Each section includes "instructions" and space for your facility's specific information. You should read the instructions for each section before you complete that section.**
- **The Template was developed in *Microsoft Word* so that you can easily add tables and additional text. Some sections may require only a brief description while others may require several pages of explanation.**
- **To make it easier to complete, the Template generally uses blue text where the operator is expected to enter information.**

DEC notes that while DEC has made every effort to ensure the accuracy of all instructions and guidance contained in the Template, the actual obligations of regulated industrial facilities are determined by the relevant provisions of the permit, not by the Template. In the event of a conflict between the Template and any corresponding provision of the MSGP, the permit controls. DEC welcomes comments on the Template at any time and will consider those comments in any future revision of this document.

Storm Water Pollution Prevention Plan

for:

The Granite Creek Industrial Area
Granite Creek Rd, Lot 5
Sitka, AK 99835

SWPPP Contact(s):

Marble Island LLC dba Marble Construction
Kris Pearson
7180 Revilla Road, Suite 300
Ketchikan, AK 99901
907-225-9116

SWPPP Preparation Date:

04/ 07/ 2021

APDES Permit Tracking Number: AKR06_AE64

Contents

SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION

1.1 Facility Information

Instructions:

- You will need the information from this section to complete your NOI.
- For further instruction, refer to the 2020 MSGP NOI form and instructions. A copy of the 2020 MSGP NOI is available at http://dec.alaska.gov/water/wastewater/stormwater/multisector/ (Appendix F of the permit)
- Detailed information on determining your site's latitude and longitude can be found at http://water.epa.gov/type/rsl/monitoring/appendc.cfm
- You must include a copy of the 2020 MSGP, or a reference or link to where a copy can be found, in Attachment C of your SWPPP.

Facility Information

Name of Facility: Granite Creek Industrial Area, Lot 5

Street: Granite Creek Rd

City: Sitka State: AK ZIP Code: 99835

Borough or Similar Government Subdivision: City and Borough of Sitka (CBS)

Permit Tracking Number: AKRO6AE64 (if covered under a previous permit)

Latitude/Longitude (Use **one** of three possible formats, and specify method)

Latitude:	Longitude:
1. _57 ° 6 ' 18" N (degrees, minutes, seconds)	1. 135 ° 23 ' 11" W (degrees, minutes, seconds)
2. _ _ ° _ _ . _ _ ' N (degrees, minutes, decimal)	2. _ _ ° _ _ . _ _ ' W (degrees, minutes, decimal)
3. _ _ . _ _ _ _ ° N (decimal)	3. _ _ . _ _ _ _ ° W (decimal)

Method for determining latitude/longitude (check one):

☐ USGS topographic map (specify scale:) ☐ EPA Web site ☐ GPS

☒ Other (please specify): Google Earth (WGS 84 datum)

Is the facility located in Indian Country? ☐ Yes ☒ No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable." Not applicable

Is this facility considered a Federal Facility? ☐ Yes ☒ No

Estimated area of industrial activity at site exposed to storm water: 5.88 (acres)

Discharge Information

Does this facility discharge storm water into an MS4? ☐ Yes ☒ No

If yes, name of MS4 operator:
Not_applicable

Name(s) of water(s) that receive storm water from your facility: Granite Creek

Are any of your discharges directly into any segment of an "impaired" water? ☒ Yes ☐ No

If Yes, identify name of the impaired water (and segment, if applicable): Granite Creek

Identify the pollutant(s) causing the impairment: Sedimentation/Siltation, Turbidity

For pollutants identified, which do you have reason to believe will be present in your discharge?

Sedimentation/Siltation, Turbidity

For pollutants identified, which have a completed TMDL? Sedimentation/Siltation, Turbidity

Are any of your storm water discharges subject to effluent guidelines? ☐ Yes ☒ No

If Yes, which guidelines apply?

Primary SIC Code or 2-letter Activity Code (refer to Appendix D of the 2020 MSGP): 4953

Identify your applicable sector and subsector: L1 – All Landfill, Land Application Sites, and Open Dumps

1.2 Contact Information/Responsible Parties

Instructions:

- You will need the information from this section to complete your NOI.
- List the facility operator(s), facility owner, and 24 hour emergency contact. Indicate respective responsibilities, where appropriate.
- Refer to Section I of the NOI instructions (available in Appendix F of the 2020 MSGP).

Facility Operator (s):

Name: Kris Pearson; Marble Island LLC dba Marble Construction
Title: Sitka Manager
Address: 7180 Revilla Rd
City, State, Zip Code: Ketchikan, AK 99901
Telephone Number: 907-738-3000
Email address: kris@marbleconstruction.net

Facility Owner (s):

Name: City and Borough of Sitka
Address: Granite Creek Rd, Lot 5
City, State, Zip Code: Sitka, AK 99835
Telephone Number: Insert Telephone Number
Email address: shilo.williams@cityofsitka.org

SWPPP Contact:

Name: Joel Teune, PE
Telephone number: 907-225-1917
Email address: jteune@rmketchikan.com

1.3 Storm Water Pollution Prevention Team

Instructions (see 2020 MSGP Part 5.2.2):

- Identify the staff members (by name or title) that comprise the facility's storm water pollution prevention team as well as their individual responsibilities.
- Your storm water pollution prevention team is responsible for assisting the facility manager in developing and revising the facility's SWPPP, implementing and maintaining control measures/BMPs, and taking corrective actions where required. Each member of the storm water pollution prevention team must have ready access to either an electronic or paper copy of applicable portions of the MSGP and your SWPPP.

Staff Names	Individual Responsibilities
Joel Teune, PE Civil Engineer, R&M	Primary contact for developing and revising the facility SWPPP, implementing and marinating control measures/best management practices (BMPs) including committing department resources to SWPPP compliance. Duties include overseeing SWPPP scheduling, maintenance, revisions, record keeping, quarterly visual inspection, monitoring and annual reporting. Responsible for identifying other potential pollutant sources or other deficiencies in plan and adding them or updating the SWPPP as necessary. Responsible for ensuring that any changes in operational plans are addressed in the SWPPP.
Kris Pearson Marble Construction	Responsible for oversight of day-to-day landfill operations for Marble Construction. Responsibility includes controlling the effects of storm water runoff through road grading, settling pond maintenance, and berm and ditch integrity upkeep.
Shilo Williams	Contact for environmental issues. Project Manager for Granite Creek TMDL and Recovery Project.

Deputy Environmental Superintendent (CBS)	
Bob Reid Wastewater Facilities Operator (CBS)	Water quality monitoring for Total Suspended Solids (TSS), Nitrate-Nitrite-Nitrogen, and annual monitoring for pH as required by MSGP 2015

1.4 Activities at the Facility

Instructions (see 2020 MSGP Part 5.2.3):
- Provide a general description of the nature of the industrial activities at your facility.

The Granite Creek Industrial Area Lot 5 consists of a City and Borough of Sitka (CBS) previously operated rock extraction site and a series of storm water settling ponds operated by the CBS. This SWPPP boundary for the facility is approximately 5.88 acres, comprised of an approximate 5 acres of quarry base and the remainder of the area is associated with the quarry walls and sedimentation basins that also receive storm water discharges from offsite areas. The overall configuration of the quarry is a flat smooth bottom of fines and gravels with steep near vertical walls on the north, east and south sides. The bottom slopes in general west.

The proposed project will add landfill operations to receive land clearing materials including sand, gravel, ash, organics, stumps and brush from land development projects around Sitka. Materials such as asphalt, concrete, building debris and other similar products will not be accepted at the landfill. The site development will include adding additional rock and gravel berms to contain the landfill materials and provide additional drainage and settlement ponds as well as maintaining the existing drainage and settlement basins.

The Lot 5 Site is located near the end of Granite Creek Road, northwest of Sitka, Alaska. This area is to the south of the Granite Creek Road across the bridge to Lots 4 and 5. Lot 5 is the eastern side of the quarry area. The area to the north, east and south of the Lot 5 Facility SWPPP boundaries (as outlined in Figures 2-4 of Appendix B) includes primarily undeveloped land. Land adjacent to the Lot 5 on the west (Lot 4) is utilized by a contractor conducting gravel mining operations and as a contractor staging area. The Lot 5 Site and the land upon which the adjacent gravel pit and construction operations are operated are owned by the CBS. The land to the south is Forest Service Land with the Harbor Mountain Road adjacent to the south boundary.

The primary Standard Industrial Code (SIC) for the facility is 4953, subject to the requirements of Sector L1 – All Landfill, Land Application Sites, and Open Dumps of the 2020 MSGP. Lot 5 is immediately adjacent to construction related activities (Lot 4) that take place on land also owned by CBS. The contractors operating on the adjacent properties are responsible for maintaining their own SWPPP as part of their operations.

Lot 5 was previously developed as a rock extraction and gravel mining site. Contractors leased the site and payed royalties for the extracted rock. The site was actively managed; payment was based

royalties received for rock removed and ground lease. This activity has ceased because the rock resource has been exhausted.

Lot 5 is comprised of approximately 5.8 acres near the east end of Granite Creek Road. Surveyed boundaries distinguish the Lot 5 from the surrounding contractor leased and operated areas. Three sedimentation basins are located along the southwest boundary of Lot 5. This SWPPP covers the portion of the property following the settling ponds and area immediately surrounding them. The settling ponds were constructed after the inactivation of the Lot 5 in 2016. The location of the settling ponds (SB1, SB2 & SB3) is shown on the Site Map in Appendix B. Both onsite flows and offsite flows are collected and routed to the settling pond. The offsite flows are from predominantly natural forested lands. The onsite flows are from the quarry floor.

A diversion ditch, proposed to be constructed prior to landfill operations will traverse below the pit face rock cliff on the northwest and southwest boundary to intercept and reroute run on water and ground water away from the quarry floor area. This water is routed to the settling ponds and then to the South Fork of Granite Creek.

1.5 General Location Map

Instructions (see 2020 MSGP Part 5.2.3.2):

- Provide a general location map (e.g., U.S. Geological Survey (USGS) quadrangle map) with enough detail to identify the location of your facility and all receiving waters for your storm water discharges (include as Attachment A of this SWPPP Template).

A General Location Map is located in Appendix A.

1.6 Site Map(s)

Instructions (see 2020 MSGP Part 5.2.3.3):

- Include a map or maps showing the following information. The site map(s) should be included as Attachment B of this SWPPP Template.
  - the size of the property in acres;
  - the location and extent of significant structures and impervious surfaces;
  - directions of storm water flow (use arrows);
  - locations of all existing structural control measures;
  - locations of all receiving waters in the immediate vicinity of your facility, indicating if any of the waters are impaired and, if so, whether the waters have TMDLs established for them;
  - locations of all storm water conveyances including ditches, pipes, and swales;
  - locations of potential pollutant sources identified under MSGP, Part 5.2.4.2;
  - locations where significant spills or leaks identified under MSGP, Part 5.2.4.3 have occurred;
  - locations of all storm water monitoring points;
  - locations of storm water inlets and outfalls, with a unique identification code for each outfall (e.g., Outfall No. 1, No. 2, etc), indicating if you are treating one or more outfalls as "substantially identical" under MSGP, Parts 6.2.3, 5.2.6.2, and 7.1.1, and an approximate outline of the areas draining to each outfall;
  - municipal separate storm sewer systems, where your storm water discharges to them;
  - locations and descriptions of all non-storm water discharges identified under MSGP, Part 4.2.10;
  - locations of the following activities where such activities are exposed to precipitation:
    - fueling stations;
    - vehicle and equipment maintenance and/or cleaning areas;
    - loading/unloading areas;
    - locations used for the treatment, storage, or disposal of wastes;
    - liquid storage tanks;
    - processing and storage areas;
    - immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility;
    - transfer areas for substances in bulk;
    - machinery; and
  - locations and sources of run-on to your site from adjacent property that contains significant quantities of pollutants.

A Site Map is included in Appendix B. The site map does not include the following:

- Location of potential pollutant sources – the anticipated only pollutant is sediment
- Location of significant spills or leaks – no known spills or leaks have occurred at the site
- Municipal separate storm sewer systems – Not relevant to this site

- Location and descriptions of all non-storm water discharges – Authorized non-storm water discharges only consist of seepage from the active face of the extraction area and uncontaminated groundwater
- The following activities do not occur onsite:
    - Fueling stations
    - Vehicle and equipment maintenance and/or cleaning areas
    - Locations used for the treatment, storage or disposal of wastes
    - Liquid storage tanks
    - Processing and storage areas
    - Transfer areas for substances in bulk
    - Machinery

SECTION 2: POTENTIAL POLLUTANT SOURCES

Instructions (see 2020 MSGP Part 5.2.4):

– In this section, you are required to describe areas at your facility where industrial materials or activities are exposed to storm water or from which allowable non-storm water discharges are released.

2.1 Industrial Activity and Associated Pollutants

Instructions (see 2020 MSGP Parts 5.2.4.1 and 5.2.4.2):

– Include a list of industrial activities exposed to storm water (e.g., material storage; equipment/vehicle fueling, maintenance, and cleaning; cutting steel beams) and the pollutants or pollutant constituents (e.g., motor oil, fuel, battery acid, and cleaning solvents) associated with these activities.
– In your list of pollutants associated with your industrial activities, include all significant materials that have been handled, treated, stored, or disposed, and that have been exposed to storm water in the 3 years prior to the date you prepare your SWPPP.

Industrial Activity	Associated Pollutants
Dumping waste/filling quarry/grading	Suspended solids, turbidity
Heavy equipment/Vehicle traffic	Diesel: Petroleum distillate, oil and grease, naphthalene, xylenes; Gasoline: Benzene, ethyl benzene, toluene, xylene, MTBE; Hydraulic oil: Mineral oil, lube oil; Antifreeze/coolant: Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)

2.2 Spills and Leaks

Instructions (See 2020 MSGP Part 5.2.4.3):

- Include the following in this section:
  - **Potential spills and leaks:** A description of where potential spills and leaks could occur at your site that could contribute pollutants to your storm water discharge, and specify which outfall(s) are likely to be affected by such spills and leaks.
  - **Past spills and leaks:** A description of significant spills and leaks in the past 3 years of oil or toxic or hazardous pollutants that actually occurred at exposed areas, or that drained to a storm water conveyance.
- *Note: Significant spills and leaks include, but are not limited to, releases of oil or hazardous substances in excess of quantities that are reportable under CWA Section 311 (see 40 CFR 110.6 and 40 CFR 117.21) or Section 102 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 USC §9602.*

Areas of Site Where Potential Spills/Leaks Could Occur

Location	Outfalls
N/A – No materials stored on site that would contribute pollutants to storm water discharge	N/A

Description of Past Spills/Leaks

Date	Description	Outfalls
N/A	N/A	N/A

2.3 Non-Storm Water Discharges Documentation

Instructions (see 2020 MSGP Part 5.2.4.4):

- The questions below require you to provide documentation of the following:
  - Your evaluation for the presence of non-storm water discharges at your site; and
  - Your elimination of any unauthorized non-storm water discharges.

- Date of evaluation: February 15, 2021
- Description of the evaluation criteria used: Visual inspection and photo documentation
- List of the outfalls or onsite drainage points that were directly observed during the evaluation: Outfall at Sedimentation Basin 1 (SB1), the final discharge of effluent to the receiving water body, the North Fork of Granite Creek, and eventually Granite Creek after the confluence of the North and South Forks.
- Different types of non-storm water discharge(s) and source locations: During the site evaluation, the weather was cloudy with minor precipitation. Flow from the two offsite concentrated flow locations was flowing down the rock face into the ditching along the rock cliff face. These flow

concentrations match the culverts running under Harbor Mountain Road about the rock face. The flows reached the bottom and were directed via surface ditch to the west to storm water controls.

- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), if any were identified. For example, a floor drain was sealed, a sink drain was re-routed to sanitary, or an APDES permit application was submitted for an unauthorized cooling water discharge: No unauthorized discharges were identified; no action required.

2.4 Salt Storage

Instructions (see 2020 MSGP Part 5.2.4.5):

- Document the location of any storage piles containing salt used for deicing or other commercial or industrial purposes.
- Note: You will be asked additional questions concerning salt storage in Section 3.7 of this SWPPP template, below.

Exterior salt storage does not occur.

2.5 Sampling Data Summary

Instructions (See 2020 MSGP Part 5.2.4.6):

- Summarize all storm water sampling data collected from your permitted outfalls during the previous permit term.

Sampling was conducted on Lot 5 in December of 2016. Two samples were collected from Outfall #1 and tested for Total Suspended Solids (TSS). TSS was 0.3 mg/L and 0.5 mg/L.

SECTION 3: STORM WATER CONTROL MEASURES

Instructions (See 2020 MSGP Parts 5.2.5.1 and 4.2):

- In Sections 3.1 - 3.12 of this SWPPP template, you are asked to describe the storm water control measures that you have installed at your site to meet each of the permit's "non-numeric effluent limits" in Part 4.2 of the 2020 MSGP.

3.1 Minimize Exposure

Instructions (see 2020 MSGP Part 4.2.1):

– Describe any structural controls or practices used to minimize the exposure of industrial activities to rain, snow, snowmelt, and runoff. Describe where the controls or practices are being implemented at your site.

Source control BMPs are preventive measures that reduce the exposure of materials to storm water thereby limiting the amount of pollutants picked up by storm water runoff. Source control BMPs are a cost-effective way to manage storm water runoff. BMPs for the control of storm water pollution sources include the following:

- Use of drainage ditches onsite to direct water from the face of the cliffs directly to sedimentation basins for treatment to avoid runoff across disturbed areas such as the compacted gravel portion of the site
- Diligent maintenance of nonstructural control measures (Section 3.3)
- Stabilization of the quarry bottom to limit sediment released during a storm event
- Training, conducted annually at a minimum, covering specific control measures used to achieve the effluent limits as well as monitoring, inspection, planning, reporting, and documentation requirements for this SWPPP
- Ensuring waste, garbage and floatable debris are not discharged to receiving waters through site cleanliness, monitored as part of the routine facility inspections.
- Outlet protection devices at discharge locations to prevent scouring and sediment disruption, especially during large storm events
- Use of sedimentation basins (also called settling ponds or retention basins) to remove silt and suspended clays from sediment loaded storm water
- Use of naturally occurring gravel and material to dissipate energy in the flowing water and reduce velocity
- Use of permeable gravel berms for velocity reduction and pollutant control

3.2 Good Housekeeping

Instructions (see 2020 MSGP Parts 4.2.2 and 5.2.6.1):

Describe any practices you are implementing to keep exposed areas of your site clean. Describe where each practice is being implemented at your site. Include here your schedule for: (1) regular pickup and disposal of waste materials, and (2) routine inspections for leaks and of the condition of drums, tanks, and containers.

The Lot 5 is required to follow procedures related to good housekeeping. Overall good housekeeping practices consist of maintaining the operations areas in a clean and orderly manner.

Litter Pickup and Refuse Management

Trash receptacles are not present on Lot 5. Good housekeeping practices for waste materials at the Lot 5 include routine inspection of all surrounding areas for trash or litter. Any trash or litter found onsite is to be removed and properly disposed of offsite.

3.3 Maintenance

Instructions (see 2020 MSGP Parts 4.2.3 and 5.2.6.1):

- Describe procedures (1) to maintain industrial equipment so that spills/leaks are avoided, and (2) to maintain any of your site's control measures in effective operating condition. Include the schedule you will follow for such maintenance activities. Describe where each applicable procedure is being implemented at the site.

The only industrial equipment located onsite is a bulldozer. The equipment will be operated 2-3 times/week and will be inspected weekly for spills/leaks. Any spills/leaks that occur from the equipment will be immediately addressed using absorbent pads. Any maintenance on heavy equipment will be performed off-site.

As required by Sector L1, Subpart 11.L.7 of the MSGP 2020, visual inspections will occur on-site every 7 days. Inspections will focus on where vehicles enter and exit the site; and sediment and erosion control measures. See Section 3.5 for Sediment and Erosion Control Measures.

3.4 Spill Prevention and Response

Instructions (see 2020 MSGP Parts 4.2.4 and 5.2.6.1):

– Describe any structural controls or procedures used to minimize the potential for leaks, spills, and other releases. You must implement the following at a minimum:

- Procedures for plainly labeling containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides," etc.) that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;
- Preventative measures such as barriers between material storage and traffic areas, secondary containment provisions, and procedures for material storage and handling;
- Procedures for expeditiously stopping, containing, and cleaning up leaks, spills, and other releases; and
- Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies.

Describe where each control is to be located or where applicable procedures will be implemented.

– Note: Some facilities may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.

The Lot 5 does not store fuel or hydrocarbons onsite. However, if a release of oil to water occurs that **may** threaten navigable waters of the United States the following immediate notifications are required:

- National Spill Response Center: **(800) 424-8802**
- Alaska Department of Environmental Conservation (ADEC): **(800) 478-9300**

If a release to the ground should occur that does **not** threaten waters of the United States, notification to the ADEC is required as follows:

Release to Land

- Any release of oil in ***excess of 55 gallons*** must be reported as soon as the person has knowledge of the discharge.
- Any release of oil in ***excess of 10 gallons but less than 55 gallons*** must be reported within 48 hours after the person has knowledge of the discharge.
- A person in charge of a facility or operation shall maintain and provide to the ADEC on a monthly basis, a written record of any discharge of oil ***from 1 to 10 gallons.***
- **Release to Impermeable Secondary Containment Areas**

- Any release of oil ***in excess of 55 gallons*** must be reported within 48 hours after the person has knowledge of the discharge.

3.5 Erosion and Sediment Controls

Instructions (see 2020 MSGP Part 4.2.5):

Describe structural or non-structural controls used at your site to stabilize exposed areas and contain runoff to minimize onsite erosion and potential offsite discharges of sediment. Note: You must at a minimum implement flow velocity dissipation devices at outfalls and discharge channels. Describe the location at your site where each control will be implemented.

The potential for mobilization of sediment by storm water or melt water runoff is minimized through the use of drainage ditches that direct runoff and seepage from the previous excavated slope face directly to sedimentation basins. The drainage ditches limit the volume of sheet flow traversing the gravel parking area and thereby reduce erosion. Velocity dissipation devices are used at culvert outfalls to minimize the disturbance of settled material and reduce erosion. The sedimentation basins are cleaned out as necessary to maintain sufficient volume for treating the runoff and to minimize the potential for sediment release during a large storm event. Cleaning of the sedimentation basins involves removing the settled material from the bottom of the basin. Proper care must be taken to ensure a release of settled material is not discharged to Granite Creek during the cleaning event. Cleaning should occur during a low (or no) flow period to allow disturbed material to settle prior to discharging water post cleaning.

Watershed runoff upstream of the Lot 5 is directed around the quarry floor to the South Fork of Granite Creek via a diversion ditch and settling pond to control the run-on entering the property.

3.6 Management of Runoff

Instructions (See 2020 MSGP Part 4.2.6):

Describe controls used at your site to divert, infiltrate, reuse, contain, or otherwise reduce storm water runoff. Describe the location at your site where each control will be implemented.

A diversion ditch running along the northeast wall along the bottom of Lot 5 directs storm water run-on around the site. This is an effective control device for controlling the amount of storm water run-on entering the site. This drainage ditch onsite at the bottom of the active cliff face direct runoff from the face directly to the sedimentation basin for treatment. The onsite drainage ditches are an effective control measure for limiting the amount of runoff and seepage traveling across the site.

3.7 Salt Storage Piles or Piles Containing Salt

Instructions (see 2020 MSGP Part 4.2.7):

If applicable, describe structures at your site that either cover or enclose salt storage piles or piles containing salt, or that prevent the discharge of storm water from such piles. Also, describe any controls or procedures used to minimize exposure resulting from adding to or removing materials from the pile. Describe the location at your site where each control and/or procedure will be implemented.

There is no salt storage on-site.

3.8 MSGP Sector-Specific Non-Numeric Effluent Limits

Instructions (see 2020 MSGP Part 4.2.8):

- Describe any controls or procedures that will be used at your site to comply with any sector-specific requirements that apply to you in Part 11 of the 2020 MSGP. Describe the location at your site where each control and/or procedure will be implemented.
- Note: Sector-specific effluent limits apply to Sectors A, E, F, G, H, I, L, M, N, O, P, Q, R, S, T, U, V, X, Y, Z, and AA.

Lot 5 must comply with sector specific requirements for Sector L1 – All Landfill, Land Application Sites, and Open Dumps. Sector L1 requirements are outlined as follows:

Additional Technology-Based Effluent Limits (Sector L1, Subpart 11.L.5 of the MSGP 2020)

11.L.5.1 Preventative Maintenance Program. As part of a permittees preventative maintenance program, maintain the following: all elements of leachate collection and treatment systems, to prevent commingling of leachate with storm water; the integrity and effectiveness of any intermediate or final cover (including repairing the cover as necessary), to minimize the effects of settlement, sinking, and erosion.

N/A - This site does not have leachate collection and treatment systems.

11.L.5.2 Erosion and Sedimentation Control. Provide temporary stabilization (e.g. temporary seeding, mulching, and placing geotextiles on the inactive portions of stockpiles) for the following: materials stockpiled for daily, intermediate, and final cover; inactive areas of the landfill or open dump; landfills or open dump areas that have gotten final covers but where vegetation has yet to establish itself; and land application sites where waste application has been completed but final vegetation has not yet been established.

There will not be any inactive stockpiles on-site.

11.L.5.3 Storm Water Diversions. Divert storm water away from potential pollutant sources. Implement the following options, as practicable: interceptor or diversion controls (e.g., dikes, swales, curbs, or berms); pipe slope drains; subsurface drains; conveyance systems (e.g., channels or gutters, open-top box

culverts, and waterbars; rolling dips and road sloping; roadway surface water deflector and culverts); or their equivalents.

Storm water is diverted by a diversion ditch. The ditch re-routes surface and ground water away from the quarry floor area to settling ponds.

11.L.5.4 Place Velocity Dissipation Devices: (e.g. check dams, sediment traps, or riprap) along the length of any conveyance channel to provide a non-erosive flow velocity. Also place velocity dissipation devices where discharges from the conveyance channel or structure join a water course to prevent erosion and to protect the channel and embankment, outlet, adjacent stream bank slopes, and downstream waters.

See Sections 3.1 and 3.5

11.L.5.5 Unauthorized Discharge Test Certification. The discharge test and certification must also be conducted for the presence of leachate and vehicle washwater.

Additional SWPPP Requirements (Sector L1, Subpart 11.L.6 of the MSGP 2020)

11.L.6.1 Drainage Area Site Map. The permittee must document in their SWPPP where any of the following may be exposed to precipitation or surface runoff: active and closed landfill cells or trenches, active and closed land application areas, locations where open dumping is occurring or has occurred, locations of any known leachate springs or other areas where uncontrolled leachate may commingle with runoff, and leachate collection and handling systems.

Areas will be documented in SWPPP.

11.L.6.2 Summary of Potential Pollutant Sources. Document in the permittees SWPPP the following sources and activities that have potential pollutants associated with them: fertilizer, herbicide, pesticide application; earth and soil moving; waste hauling and loading or unloading; outdoor storage of significant materials, including daily, interim, and final cover material stockpiles as well as temporary waste storage areas; exposure of active and inactive landfill and land application areas; uncontrolled leachate flows; and failure or leaks from leachate collection and treatment systems.

The landfill will not be accepting any waste associated with fertilizer, herbicide, or pesticides. Additionally, there are no leachate collection or treatment systems. The location of active landfill areas will be documented in the SWPPP.

Additional Technology-Based Effluent Limits (Sector L1, Subpart 11.L.7 of the MSGP 2020)

11.L.7.1 Inspections of Active Sites. Except in arid and semi-arid climates, inspect operating landfills, open dumps and land application sites at least once every seven (7) days. Focus on areas of landfills that have not yet been finally stabilized; active land application areas, areas used for storage or material and wastes that are exposed to precipitation, stabilization, and structural control measures' leachate collection and treatment systems; and locations where equipment and waste trucks enter and exit the site. Ensure that sediment and erosion control measures are operating properly. For stabilized sites and areas where land application has been completed, or where the climate is arid or semi-arid, conduct inspections at least once every month.

Inspections will occur once every 7 days.

Additional Post-Authorization Documentation Requirements (Sector L1, Subpart 11.L.8 of the MSGP 2020)

11.L.8.1 Recordkeeping and Internal Reporting. Keep records with the SWPPP of the types of wastes disposed of in each cell or trench or a landfill or open dump. For land application sites, track the types and quantities of wastes applied in specific areas.

Records with types of waste will be recorded and kept on-site with the SWPPP documents.

3.9 Employee Training

Instructions (see 2020 MSGP Parts 4.2.9 and 5.2.6.1):

Describe your plan for training the employees who work in areas where industrial materials or activities are exposed to storm water, or who are responsible for implementing activities necessary to meet the conditions of the 2020 MSGP, including all members of your Pollution Prevention Team. Included in your description must be the frequency of training (note: recommended at least one time per year), and the schedule you will follow.

Marble Construction is committed to a safe work environment. Employee storm water training is provided at a minimum of once per year. Specific topics addressed during training include:

- Overview of SWPPP inclusions
- Awareness of potential storm water pollutants (sediment, snowmelt, debris, etc.)
- Pollution prevention procedures, including BMPs and control measures
- Lines of communication, chain-of-command, and the Pollution Prevention Team
- General good housekeeping procedures

3.10 Non-Storm Water Discharges

Instructions (see 2020 MSGP 4.2.10):

Describe how you eliminated any unauthorized non-storm water discharges at your site. The unauthorized non-storm water discharges include any non-storm water discharges that are not specifically identified in Part 1.2.3 of the 2020 MSGP. Note: If this section is already addressed by your documentation for Section 2.3 of the SWPPP template, you can simply include a cross-reference to that section of your SWPPP.

Refer to Section 2.3 for Non-storm water discharges.

3.11 Waste, Garbage and Floatable Debris

Instructions (see 2020 MSGP Part 4.2.11):

Describe controls and procedures that will be used at your site to minimize discharges of waste, garbage, and floatable debris. Describe the location at your site where each control and/or procedure will be implemented.

Site cleanliness will be monitored as part of the routine facility inspections. Any garbage found on-site will be immediately removed and disposed of offsite.

3.12 Dust Generation and Vehicle Tracking of Industrial Materials

Instructions (see 2020 MSGP Part 4.2.12):

Describe controls and procedures you will use at your site to minimize the generation of dust and off-site tracking of raw, final, or waste materials. Describe the location at your site where each control and/or procedures will be implemented.

Dust control is generally not an issue in Sitka due to wet climate. Inspections will include road areas that provide access to Lot 5. If materials are found to be accumulating from tracking offsite, sweeping will be conducted to mitigate the problem.

SECTION 4: SCHEDULES AND PROCEDURES FOR MONITORING

Instructions (see 2020 MSGP Part 5.2.6.2):

- Describe your procedures for conducting the five types of analytical monitoring specified by the MSGP, where applicable to your facility, including:
  - Benchmark monitoring (2020 MSGP, Part 7.2.1 and relevant requirements in Part 11);
  - Effluent limitations guidelines monitoring (2020 MSGP, Part 7.2.2 and relevant requirements in Part 11);
  - Impaired waters monitoring (2020 MSGP, Part 7.2.3); and
  - Other monitoring as required by DEC (2020 MSGP, Part 7.2.4).
- Depending on the type of facility you operate, and the monitoring requirements to which you are subject, you must collect and analyze storm water samples and document monitoring activities consistent with the procedures described in 2020 MSGP, Part 7 and Appendix A, and any additional sector-specific requirements in 2020 MSGP, Part 11. Refer to 2020 MSGP, Part 9 for reporting and recordkeeping requirements. Note: All monitoring must be conducted in accordance with the relevant sampling and analysis requirements at 40 CFR Part 136. Include in your description procedures for ensuring compliance with these requirements.
- If you are invoking the exception for inactive and unstaffed sites for benchmark monitoring, you must include in your SWPPP the information to support this claim as required by 2020 MSGP, Part 7.2.1.6.
- If you plan to use the substantially identical outfall exception for your benchmark monitoring requirements in 2020 MSGP, Part 7.2.1 and/or your quarterly visual assessment requirements in 2020 MSGP, Part 6.2.3, you must include the following documentation:
  - Location of each of the substantially identical outfalls;
  - Description of the general industrial activities conducted in the drainage area of each outfall;
  - Description of the control measures implemented in the drainage area of each outfall;
  - Description of the exposed materials located in the drainage area of each outfall that are likely to be significant contributors of pollutants to storm water discharges;
  - An estimate of the runoff coefficient of the drainage areas (low = under 40%; medium = 40 to 65%; high = above 65%); and
  - Why the outfalls are expected to discharge substantially identical effluents.

For each type of monitoring, your SWPPP must include a description of:

1. **Sample Location(s).** Describe where samples will be collected, including any determination that two or more outfalls are substantially identical. Runoff from Lot 5 flows generally in a series through three sedimentation basins (refer to Site Map in Appendix B). While Part 7.1.2 of the MSGP suggests monitoring prior to commingling with discharges not authorized under this permit, the main pollutant of concern (sediment) will likely be in higher concentrations in the upstream portion of the sedimentation basin treatment train. To obtain a representative sample of the water being discharged into Granite Creek, only discharge from the final discharge location will be monitored. The sampling location is referred to as Outfall A on Figures of Appendix B. If the effluent from this location does not meet the benchmark monitoring

standards, the SWPPP will be modified to include upstream locations to determine the source of the problem.

2. **Pollutant Parameters to be Sampled**. Include a list of the pollutant parameters that will be sampled and the frequency of sampling for each parameter. See Table 3 for Sector L1 sampling requirements.

Table 1. Sector L1 Specific Benchmarks

Subsector	Parameter	Benchmark Monitoring Concentration
Subsector L1. All Landfill, Land Application Sites and Open Dumps (SIC 4953)	Total Suspended Solids (TSS)	100 mg/L

3. **Monitoring Schedules.** Include the schedule you will follow for monitoring your storm water discharge, including where applicable any alternate monitoring periods to be used for facilities in climates with irregular storm water runoff (2020 MSGP, Part 7.1.6).

The Lot 5 is located in a region identified has having irregular storm water runoff due to winter freezing, and so therefore this schedule may have to be modified. Any deviations to this quarterly schedule will be reported to the DEC (Section 7.2.1.2 MSGP 2020). If a quarterly sampling event is missed, it will be made up in one of the remaining quarters.

After the collection of four quarterly samples (and including any additional samples that are collected during the time period), if the average of the monitoring values for any parameter does not exceed the benchmark, Lot 5 will have fulfilled the monitoring requirements for that parameter for this permit term. If, after the collection of quarterly samples, the average value for any parameter exceeds the benchmark, Lot 5 will review the selection, design, installation, and implementation of the control measures to determine if modifications are necessary. At such a point, the Lot 5 may either make the necessary modifications and continue quarterly or more frequent monitoring until averages from four quarters do not exceed the benchmark; or make a determination that no further pollutant reductions are technologically available and economically practicable. For the latter, the Lot 5 will document the rationale, notify the DEC, and continue benchmark monitoring at a frequency of once annually. (Sections 7.2.1.3 and 7.2.1.4 MSGP 2020).

Table 2. Benchmark Monitoring Schedule

Inspection	Frequency	Tentative Schedule
Benchmark Monitoring	Minimum of 4 per year (one per quarter)	1st Quarter: January 1 – March 31
		2nd Quarter: April 1 – June 30
		3rd Quarter: July 1 – September 30
		4th Quarter : October 1 – December 31

4. **Numeric Limitations**. List here any pollutant parameters subject to numeric limits (effluent limitations guidelines), and which outfalls are subject to such limits. Note that numeric limits are only included for Sectors A, C, D, E, J, K, L, and O.
Lot 5 is not considered a Municipal Solid Waste Landfill and is not subject to numeric effluent limitations.

5. **Procedures**. Describe procedures you will follow for collecting samples, including responsible staff who will be involved, logistics for taking and handling samples, laboratory to be used, etc.

Benchmark sampling will be conducted during site inspections by a qualified CBS employee and performed within the first 30 minutes of an actual discharge from a storm event and on discharges that occur at least 72 hours (3 days) from the previous discharge. The 72-hour interval can be waived when the previous storm did not yield a measurable discharge. The 72-hour (3-day) storm interval does not apply if it is documented that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period. Documentation must be submitted to the DEC justifying the situation. At least one benchmark monitoring event will be collected during a snowmelt event on samples taken during a period with a measurable discharge from the site.

If it is not possible to collect the sample within the first 30 minutes of discharge, the sample must be collected as soon as practicable after the first 30 minutes. If an assessment cannot be conducted during a specific quarter, a makeup assessment will occur in the following quarter. Deviations from this schedule must be recorded on the Quarterly Visual Assessment Deviations from Schedule form, provided as Attachment 5 to Appendix D.

A grab sample will be collected in an open container at a single point at Outfall A from Sedimentation Basin 6 (refer to Table 3 for sampling specifics). The sample will be collected from mid-flow at the outfall. The sampler will record the time, date, and site conditions during the sampling. Samples for TSS will be transferred to the City and Borough of Sitka Water and Wastewater certified laboratory for analysis.

Table 3. Sample Guide for Methods, Bottles, Preservatives & Hold Times

Parameter	Method	Matrix	Container	Preservative	Hold Time
Total Suspended Solids (TSS)	SM 2540 D-1997	water	1 x 1 L HDPE	None	7 days

Inactive and Unstaffed sites exception (if applicable)
If you are invoking the exception for inactive and unstaffed sites for benchmark monitoring, include information to support this claim.

N/A

Substantially identical outfall exception (if applicable)
If you plan to use the substantially identical outfall exception for your benchmark monitoring and/or quarterly visual assessment requirements, include the following information here to substantiate your claim that these outfalls are substantially identical:

N/A

SECTION 5: INSPECTIONS

Instructions:

- Describe your procedures for performing the three types of inspections required by the 2020 MSGP, including:
  - Routine facility inspections (2020 MSGP, Part 6.1);
  - Quarterly visual assessment of storm water discharges (2020 MSGP, Part 6.2); and
  - Comprehensive site inspections (2020 MSGP, Part 6.3).
- If you are invoking the exception for inactive and unstaffed sites relating to routine facility inspections and quarterly visual assessments, you must include in your SWPPP the information to support this claim as required by 2020 MSGP, Parts 6.1.3 and 6.2.3.
  A sample routine facility inspection and quarterly visual assessment form is available on DEC's MSGP website http://dec.alaska.gov/water/wastewater/stormwater/multisector/ under heading "Additional MSGP Documentation Template". Appendix F of the 2020 MSGP includes a comprehensive site inspection form (Annual Reporting Form).

For the routine facility inspections and the comprehensive site inspections to be performed at your site, include a description of the following:

- The names of the person(s), or the positions of the person(s), responsible for inspection: Joel Teune
- The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular storm water runoff discharges (2020 MSGP, Part 6.2.3): Inspections will occur every 7 days.
- Specific areas of the facility to be inspected, including schedules for specific outfalls: All BMPs will be inspected, including the velocity dissipation devices and sedimentation basins every 7 days. Heavy equipment will also be checked during the weekly inspection for leaks/spills.

For the quarterly visual assessments to be performed at your site, include a description of the following:

- The names of the person(s), or the positions of the person(s), responsible for inspection: Joel Teune
- The schedules to be used for conducting inspections. Include here any tentative schedule that will be used for facilities in climates with irregular storm water runoff discharges (2020 MSGP, Part 6.2.3): See below for quarterly benchmark sampling.

-

Inspection Schedule

Inspection	Frequency	Tentative Schedule
Quarterly Visual Assessment (1)	4 per year	1st Quarter: January 1 – March 31
		2nd Quarter: April 1 – June 30
		3rd Quarter: July 1 – September 30
		4th Quarter : October 1 – December 31
Annual Comprehensive Site Inspection (2)	1 per year within Annual Inspection Period	**2020 MSGP Annual Inspection Period (Part 6.3.1 of MSGP)**
		Year 1: Permit Effective Date – May 1, 2021 (Annually thereafter)
(1) Complete Quarterly Visual Assessment Form (Appendix C: Attachment 4) *(2) Complete Annual/Comprehensive Inspection Reporting Form (Appendix C: Attachment 6)* Note: Quarterly monitoring requirements begin in the first full quarter following either January 1, 2015 or the permittee's date of discharge authorization, whichever date comes later, and continue for four complete quarters.		

- Specific areas of the facility to be inspected, including schedules for specific outfalls: All control measures, loading/unloading areas, equipment operations areas, and waste handling areas will be inspected. In addition, a visual inspection of Outfall #1 will be conducted and the quarterly sample will be collected/
-

Inactive and Unstaffed sites exception (if applicable)
If you are invoking the exception for inactive and unstaffed sites for your routine facility inspections and quarterly visual assessments, include information to support this claim.
N/A

SECTION 6: SWPPP CERTIFICATION

Instructions (see 2020 MSGP Part 5.2.7):

The following certification statement must be signed and dated by a person who meets the requirements of Appendix A, Subsection 1.12, of the 2020 MSGP. Note: This certification must be re-signed in the event of a SWPPP modification in response to a Part 8.1 trigger for corrective action.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: _____ Title: _____

Signature: _____ Date: _____

SECTION 7: SWPPP MODIFICATIONS

Instructions (see 2020 MSGP Part 5.6):

- Your SWPPP is a "living" document and is required to be modified and updated, as necessary, in response to corrective actions. See Part 8.4 of the 2020 MSGP.
  - If you need to modify the SWPPP in response to a corrective action required by Part 8.1 of the 2020 MSGP, then the certification statement in section 7 of this SWPPP template must be re-signed in accordance with 2020 MSGP Appendix A, Subsection 1.12.
  - For any other SWPPP modification, you should keep a log with a description of the modification, the name of the person making it, and the date and signature of that person. See 2020 MSGP Appendix A, Subsection 1.12.

Storm Water Pollution Prevention Plan
Granite Creek
Sitka, AK
Revision Log

The 2015 MSGP specifies that this Storm Water Pollution Prevention Plan (SWPPP) should be kept current and updated as necessary to address changes in site conditions, new or revised government regulations, and added or modified site storm water pollution controls. This includes necessary changes to address any of the triggering conditions for corrective action in Part 8.1 of the 2015 MSGP. Changes to this SWPPP document must be made in accordance with the corrective action deadlines in Parts 8.3 and 8.4 of the 2015 MSGP and must be signed and dated in accordance with Appendix F Subsection 4 of the 2015 MSGP. All revisions to the SWPPP must be documented on this SWPPP revision log, retained on-site, and incorporated in to the SWPPP in conjunction with the five-year renewal cycle.

Section	Description	Rev. Date	By

SWPPP ATTACHMENTS

Attach the following documentation to the SWPPP:

Attachment A – General Location Map

Include a copy of your general location map in Attachment A.

Attachment B – Site Map

Include a copy of your site map(s) in Attachment B.

Attachment C – 2020 MSGP

Note: It is helpful to keep a printed-out copy of the 2020 MSGP so that it is accessible to you for easy reference. However, you do not need to formally incorporate the entire 2020 MSGP into your SWPPP. As an alternative, you can include a reference to the permit and where it is kept at the site.

Attachment D – Additional MSGP Documentation

Include a copy of additional documentation, as required.

Appendix A: General Location Map

N.T.S.

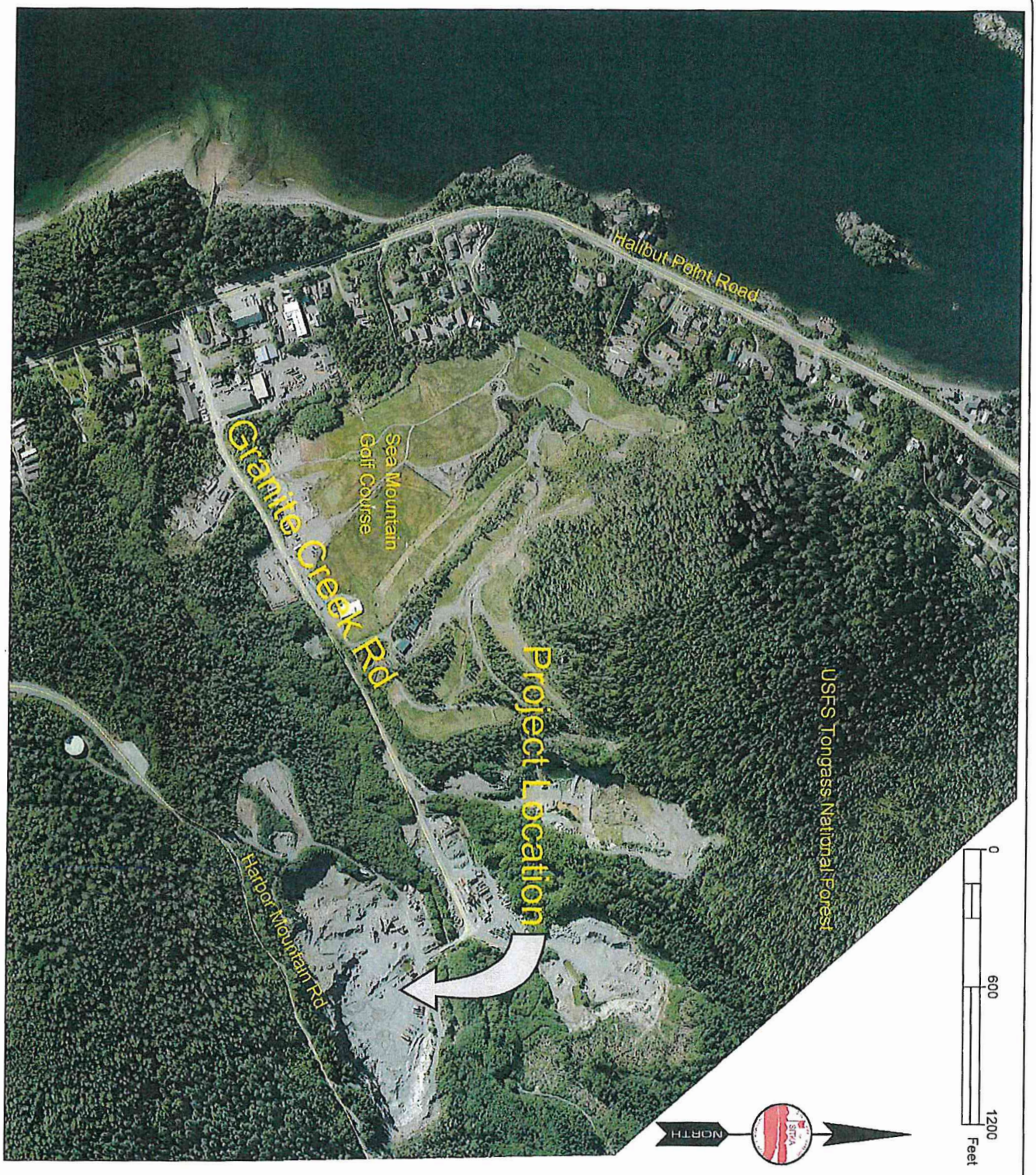
CITY AND BOROUGH OF SITKA
GRANITE CREEK LOT 5 SITE
STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

VICINITY MAP

SITKA, ALASKA

JOB NO: 15-1337	DRAWN: MSB
DATE: 5.3.2015	CHECKED: DN/HH

FIGURE 1 / 2

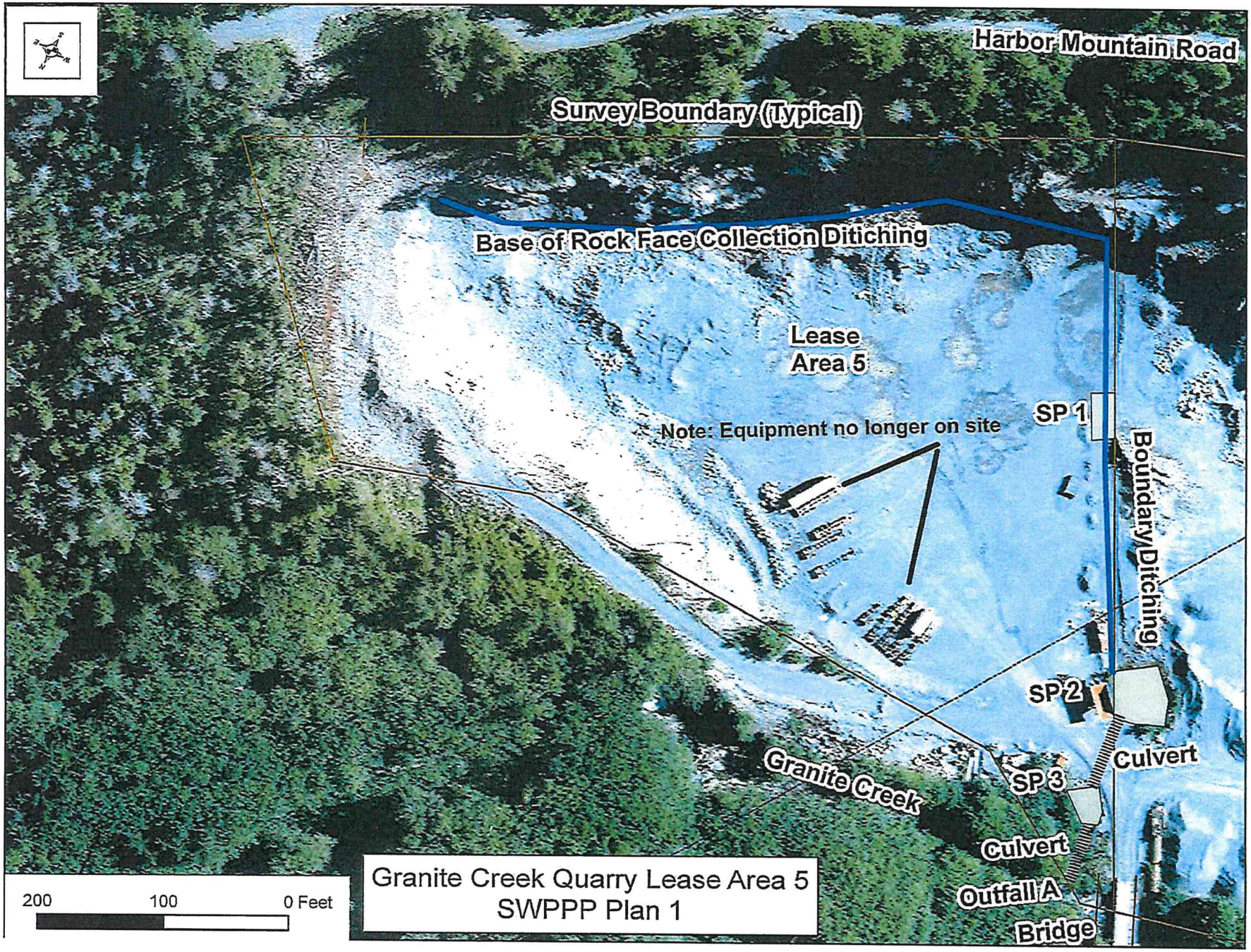


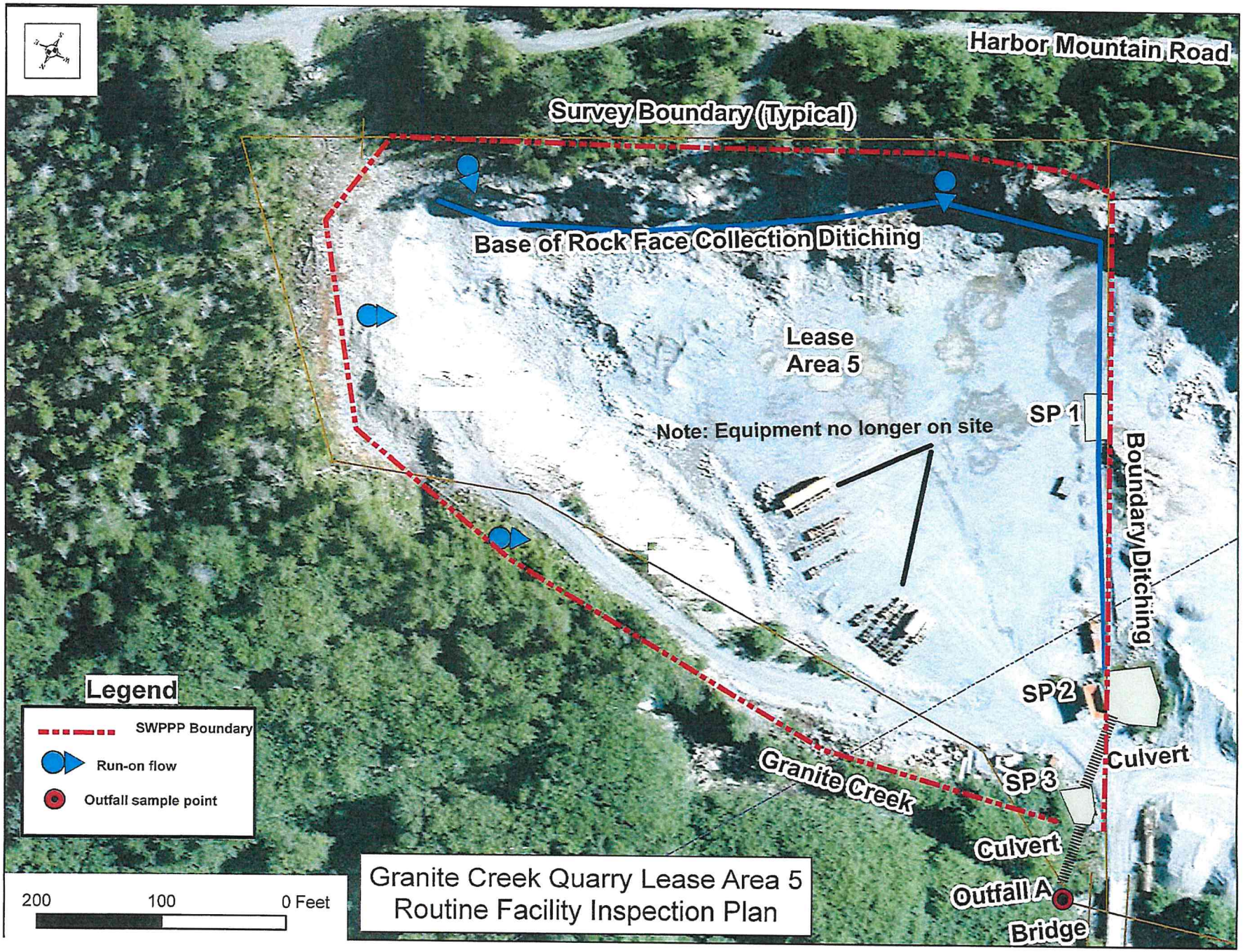
City and Borough of Sitka
DEPARTMENT OF PUBLIC WORKS
100 LINCOLN STREET • SITKA, ALASKA 99835
TEL (907) 747-1804 FAX (907) 747-3158

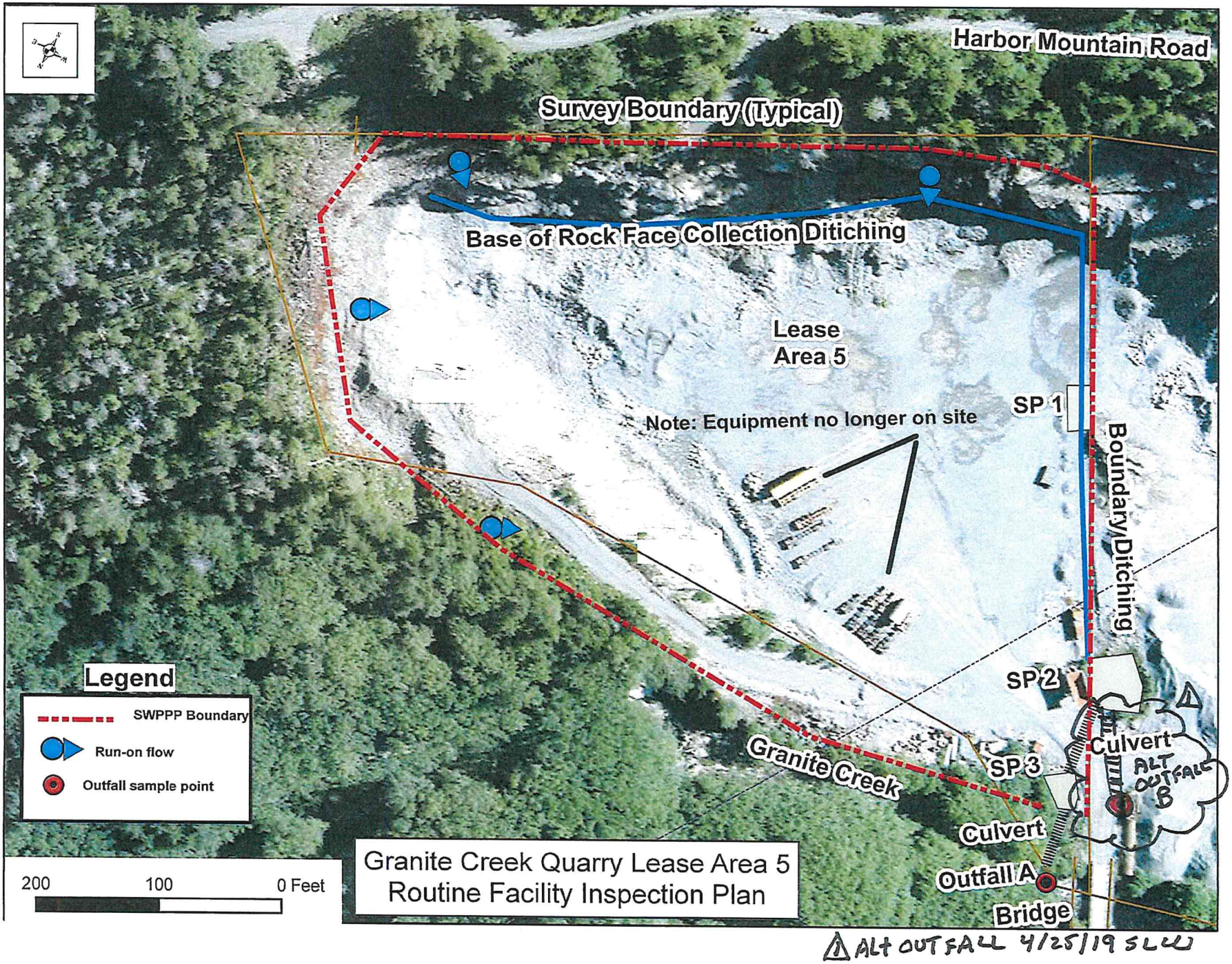
Location Map
Granite Creek Quarry
Sitka, Alaska

DRAWN:	JJH	SCALE:	1"=600'
CHECKED:	SLW	DATE:	09.28.16
DRAWING NAME		VicinityMap.dwg	
SHEET NO.		2 /2	

Appendix B: Site Map


Harbor Mountain Road
Survey Boundary (Typical)
Base of Rock Face Collection Ditching
Lease
Area 5
Note: Equipment no longer on site
SP 1
Boundary Ditching
SP 2
Culvert
Granite Creek
SP 3
Culvert
Outfall A
Bridge
200
100
0 Feet
Granite Creek Quarry Lease Area 5
SWPPP Plan 1


Harbor Mountain Road
Survey Boundary (Typical)
Base of Rock Face Collection Ditiching
Lease
Area 5
Note: Equipment no longer on site
SP 1
Boundary Ditching
SP 2
Culvert
SP 3
Granite Creek
Culvert
Outfall A
Bridge
Legend
SWPPP Boundary
Run-on flow
Outfall sample point
200
100
0 Feet
Granite Creek Quarry Lease Area 5
Routine Facility Inspection Plan


Harbor Mountain Road
Survey Boundary (Typical)
Base of Rock Face Collection Ditching
Lease
Area 5
Note: Equipment no longer on site
SP 1
Boundary Ditching
SP 2
SP 3
Culvert
ALT OUTFALL B
Granite Creek
Culvert
Outfall A
Bridge
Legend
SWPPP Boundary
Run-on flow
Outfall sample point
200
100
0 Feet
Granite Creek Quarry Lease Area 5
Routine Facility Inspection Plan
⚠ ALT OUTFALL 4/25/19 SLW

THE STATE of ALASKA
GOVERNOR MIKE DUNLEAVY

Department of Environmental Conservation
DIVISION OF WATER
Wastewater Discharge Authorization Program
555 Cordova Street
Anchorage, Alaska 99501-2617
Main: 907.269.6285
Fax: 907.334.2415
www.alaska.gov/dec/water/wastewater/

7/9/2021

Company: Marble Construction LLC dba Marble Cor
ATTN: Trevor S Sande
7180 Revilla RD STE 200
Ketchikan AK 99901

Facility:
Sitka Granite Creek Industrial Area Lease Lot
Granite Creek Road, Lot 5
Sitka AK 99835

Permit Number: AKR06GC20

This email/letter acknowledges that you have submitted a Notice of Intent (NOI) to be covered under the Alaska Pollutant Discharge Elimination System (APDES) Multi-Sector General Permit for Storm Water Discharges Associated with Industrial Activity (MSGP). DEC will issue a separate authorization letter as it completes its review and processes your request for coverage.

As stated above, this letter acknowledges receipt of a NOI. However, it is not a DEC determination of the validity of the information you provided. Your eligibility for coverage under the Permit is based on the validity of the certification you provided. Your signature on the NOI certifies that you have read, understood, and are implementing all of the applicable requirements. An important aspect of this certification requires that you correctly determine whether you are eligible for coverage under this permit.

As you know, the MSGP requires you to develop and implement a Storm Water Pollution Prevention Plan (SWPPP) and outlines important inspection and record keeping requirements. A copy of the MSGP must be kept with your SWPPP. An electronic copy of the Permit and additional guidance materials can be viewed and downloaded at http://dec.alaska.gov/water/wastewater/stormwater/multisector/.

For tracking purposes, the following number has been assigned to your NOI: AKR06GC20

If you have general questions regarding the storm water program or your responsibilities under the MSGP, please contact the Anchorage office at 907-269-6285.

Thank you for using the DEC eNOI Online Application System (OASys).

Sincerely,

James Rypkema
Program Manager, Storm Water and Wetlands
Wastewater Discharge Authorization Program

For Agency Use

Permit #: AKR06GC20

Notice of Intent (NOI) for Storm Water Discharges Associated with Industrial Activity under the APDES Multi-Sector General Permit (MSGP)

Facility Information

Facility Name: Sitka Granite Creek Industrial Area Lease Lot 5

Have storm water discharges from your site been covered previously under an APDES Permit? ☑ Yes ☐ No

If Yes, provide the permit authorization number: Not Found

Street Location

Street: Granite Creek Road, Lot 5

Borough or similar government subdivision: Sitka

City: Sitka

State: Alaska

Zip: 99835

Latitude: 57.104167

Longitude: -135.3825

Determined By: ☐ GPS ☑ Internet Map Service ☐ Other:

Estimated area of industrial activity at your site exposed to storm water: 5.9 (acres)

Briefly describe the nature of the industrial activities at the facility:

Unsuitable Soils and Organics Disposal

Identify the 4-digit Standard Industrial Classification (SIC) code or 2-letter Activity Code that best represents the products produced or services rendered for which your facility is primarily engaged, as defined in the MSGP.

Primary SIC Code: 4953 or Primary Activity Code: _____

Is your site presently inactive or unstaffed?* ☑ Yes ☐ No

** Note that if your facility becomes inactive and unstaffed during the permit term, you must submit an NOI modification to reflect the change.*

If Yes, is your site expected to be inactive and unstaffed for the entire permit term? ☐ Yes ☑ No

If No, indicate the length of time that you expect your facility to be inactive and unstaffed. 1 month

Federal Effluent Limitation Guidelines and Sector-Specific Requirements

Are you requesting permit coverage for storm water discharges subject to effluent limitation guidelines? ☑ Yes ☐ No

If yes, which effluent limitation guidelines apply to your storm water discharge?

40 CFR Part/Subpart	Eligible Discharges	Affected MSGP Sector	Check if applicable
Part 411, Subpart C	Runoff from material storage piles at cement manufacturing facilities.	E	☐
Part 418, Subpart A	Runoff from phosphate fertilizer manufacturing facilities that comes into contact with any raw materials, finished products, by-products, or waste products (SIC 2874).	C	☐
Part 423	Coal pile runoff at steam electric generating facilities.	O	☐
Part 429, Subpart I	Discharges resulting from spray down or intentional wetting of logs at wet deck storage areas.	A	☐
Part 436, Subpart B, C, or D	Mine dewatering discharges at crushed stone mines, construction sand and gravel mines, or industrial sand mines.	J	☐
Part 443, Subpart A	Runoff from asphalt emulsion facilities.	D	☐
Part 445, Subparts A & B	Runoff from hazardous waste and non-hazardous waste landfills.	K, L	☐
Part 449, Subpart A	Runoff from Air Transportation	S	☐

If you are a Sector S (Air Transportation facility, do you anticipate using more than 100,000 gallons of glycol-based deicing/anti-icing chemicals and/or 100 tons or more of urea on an average annual basis? ☐ Yes ☑ No

Identify the applicable sector(s) and subsector(s) of industrial activity, including co-located industrial activity, for which you are requesting coverage:

Sector	Subsector	Sector	Subsector	Sector	Subsector	Sector	Subsector	Sector	Subsector	Sector	Subsector
L	L1										

For Agency Use
Permit #: AKR06GC20

Discharge Information

Does your facility discharge into a Municipal Separate Storm Sewer System (MS4)? ☐ Yes ☑ No
If Yes, provide the name of the MS4 Operator: ______________________

If you are subject to benchmark monitoring requirements for a hardness-dependent metal:
– What is the hardness of your receiving water(s) (See Appendix E)? ______________
– Does your facility discharge into any saltwater receiving waters? ☐ Yes ☐ No

Outfalls: *(Attach a separate list if necessary)*

List all of the storm water outfalls from your facility. Each outfall must be identified by a unique 3-digit ID (e.g., 001, 002). Also provide the latitude and longitude in decimal degrees for each outfall.		**For each outfall, provide the following receiving water information:** Provide the name of the first water of the U.S. that receives storm water directly from the outfall and/or from the MS4 that the outfall discharges to:	If the receiving water is impaired (on the CWA 303(d) list), list the pollutants that are causing the impairment:	Are the pollutant(s) causing the impairment present in your discharge? Yes	No	If a TMDL has been completed for this receiving waterbody, provide the following information:
Outfall ID	001	Granite Creek	tss	☑	☐	TMDL ID#: 1
Latitude	57.104444					TMDL Name: TSS
Longitude	-135.384444					Pollutant(s) for which there is a TMDL: Sedimentation/Siltation, Turbiity
If substantially identical to other outfall, list identical outfall ID: ______						
Outfall ID				☐	☐	TMDL ID#:
Latitude						TMDL Name:
Longitude						Pollutant(s) for which there is a TMDL:
If substantially identical to other outfall, list identical outfall ID: ______						
Outfall ID				☐	☐	TMDL ID#:
Latitude						TMDL Name:
Longitude						Pollutant(s) for which there is a TMDL:
If substantially identical to other outfall, list identical outfall ID: ______						
Outfall ID				☐	☐	TMDL ID#:
Latitude						TMDL Name:
Longitude						Pollutant(s) for which there is a TMDL:
If substantially identical to other outfall, list identical outfall ID: ______						
Outfall ID				☐	☐	TMDL ID#:
Latitude						TMDL Name:
Longitude						Pollutant(s) for which there is a TMDL:
If substantially identical to other outfall, list identical outfall ID: ______						

Outfalls: *(Attach a separate list if necessary)*

List all of the storm water outfalls from your facility. Each outfall must be identified by a unique 3-digit ID (e.g., 001, 002). Also provide the latitude and longitude in decimal degrees for each outfall.		**For each outfall, provide the following receiving water information**: Provide the name of the first water of the U.S. that receives storm water directly from the outfall and/or from the MS4 that the outfall discharges to:	If the receiving water is impaired (on the CWA 303(d) list), list the pollutants that are causing the impairment:	Are the pollutant(s) causing the impairment present in your discharge? Yes	No	If a TMDL has been completed for this receiving waterbody, provide the following information:
Outfall ID				☐	☐	TMDL ID#:
Latitude						TMDL Name:
Longitude						Pollutant(s) for which there is a TMDL:
If substantially identical to other outfall, list identical outfall ID: ______						
Outfall ID				☐	☐	TMDL ID#:
Latitude						TMDL Name:
Longitude						Pollutant(s) for which there is a TMDL:
If substantially identical to other outfall, list identical outfall ID: ______						
Outfall ID				☐	☐	TMDL ID#:
Latitude						TMDL Name:
Longitude						Pollutant(s) for which there is a TMDL:
If substantially identical to other outfall, list identical outfall ID: ______						
Outfall ID				☐	☐	TMDL ID#:
Latitude						TMDL Name:
Longitude						Pollutant(s) for which there is a TMDL:
If substantially identical to other outfall, list identical outfall ID: ______						
Outfall ID				☐	☐	TMDL ID#:
Latitude						TMDL Name:
Longitude						Pollutant(s) for which there is a TMDL:
If substantially identical to other outfall, list identical outfall ID: ______						

Operator Information

Contact Name:	Organization:	Title:
Trevor S Sande	Marble Construction LLC dba Marble Construction	Managing Member
Phone:	**Fax (optional):**	**Email:**
907-617-1441		trevorsande@rmketchikan.com

Mailing Address ☐ Check if same as Operator Information

Street (PO Box)		
7180 Revilla RD STE 200		
City	**State**	**Zip**
Ketchikan	AK	99901

Storm Water Pollution Prevention Plan (SWPPP) Contact / Location Information

Contact Name:	Organization:	Title:
Trevor S Sande	Marble Construction LLC dba Marble Construction	Managing Member
Phone:	**Fax (optional):**	**Email:**
907-617-1441		trevorsande@rmketchikan.com

Mailing Address ☐ Check if same as Operator Information

Street (PO Box)		
7180 Revilla RD STE 200		
City	**State**	**Zip**
Ketchikan	AK	99901

Universal Resource Locator or URL:

Billing Contact / Location Information

Contact Name:	Organization:	Title:
Trevor S Sande	Marble Construction LLC dba Marble Construction	Managing Member
Phone:	**Fax (optional):**	**Email:**
907-617-1441		trevorsande@rmketchikan.com

Mailing Address ☐ Check if same as Operator Information

Street (PO Box)		
7180 Revilla RD STE 200		
City	**State**	**Zip**
Ketchikan	AK	99901

NOI Preparer Contact / Location Information *(Complete if NOI was prepared by someone other than the Certifier)*

Contact Name:	Organization:	Title:
Trevor S Sande	Marble Construction LLC dba Marble Construction	Managing Member
Phone:	**Fax (optional):**	**Email:**
907-617-1441		trevorsande@rmketchikan.com

Mailing Address ☐ Check if same as Operator Information

Street (PO Box)		
7180 Revilla RD STE 200		
City	**State**	**Zip**
Ketchikan	AK	99901

Document Attachments

Documents attached with this application:

☐ Storm Water Pollution Prevention Plan (SWPPP)

☐ Other:

Granite Creek Lot 5 SWPPP Compiled_final.pdf

Certification Information

An Alaska Pollutant Discharge Elimination System (APDES) permit application or report must be signed by an individual with the appropriate authority per 18 AAC 83.385. For additional information, please refer to 18 AAC 83.385 at the following link: http://www.legis.state.ak.us/basis/aac.asp#18.83.385.

Corporate Executive Officer 18 AAC 83.385 (a)(1)(A)	For a corporation, a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation.
Corporate Operations Manager 18 AAC 83.385 (a)(1)(B)	For a corporation, the manager of one or more manufacturing, production, or operating facilities, if (i) the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental statutes and regulations; (ii) the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and (iii) authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
Sole Proprietor or General Partner 18 AAC 83.385 (a)(2)	For a partnership or sole proprietorship, the general partner or the proprietor respectively.
Public Agency, Chief Executive Officer 18 AAC 83.385 (a)(3)(A)	For a municipality, state, or other public agency, the chief executive officer of the agency.
Public Agency, Senior Executive Officer 18 AAC 83.385 (a)(3)(B)	For a municipality, state, or other public agency, a senior executive officer having responsibility for the overall operations of a principal geographic unit or division of the agency.

Any report required by an APDES permit, and a submittal with any other information requested by the department, must be signed by a person described in above, or by a duly authorized representative of that person.
**For Delegated Authority: the delegation must be made in writing and submitted to the DEC.*
Your signature will not be approved until DEC receives the written delegation.
An Example of written authorization delegating authority can be found on the Division of Water website:
http://dec.alaska.gov/media/13316/delegation-of-signatory-authority.pdf

Operations Manager *(Delegated Authority)** 18 AAC 83.385 (b)(2)(A)	For a duly authorized representative, an individual or a position having responsibility for the overall operation of the regulated facility or activity, including the position of plant manager, operator of a well or a well field, superintendent or position of equivalent responsibility.
Environmental Manager *(Delegated Authority)** 18 AAC 83.385 (b)(2)(B)	For a duly authorized representative, an individual or position having overall responsibility for environmental matters for the company.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Organization:	Name:	Title:
Marble Construction LLC dba Ma	Trevor S Sande	Managing Member

Phone:	Fax (optional):	Email:
907-617-1441		trevorsande@rmketchikan.com

Mailing Address: ☐ Check if same as Operator Information

Street (PO Box):		
7180 Revilla RD STE 200		
City:	State:	Zip:
Ketchikan	AK	99901

E- Signed by: Trevor S Sande — Signature/Responsible Official

7/9/2021 — Date

Instructions for Completing the Notice of Intent (NOI) for Storm Water Discharges Associated with Industrial Activity under the Multi-Sector General Permit (MSGP)

Who must file a NOI?

Under section 402(p) of the Clean Water Act (CWA) and regulations at 40 CFR Part 122.26, adopted by reference at 18 AAC 83.010 (3) storm water discharges associated with industrial activity are prohibited to waters of the United States unless authorized under an Alaska Pollutant Discharge Elimination System (APDES) permit. You can obtain coverage under the MSGP by submitting a completed NOI if you operate a facility that:

- is located in a jurisdiction where DEC is the permitting authority, listed in Part 1.1 of the MSGP;
- discharges storm water associated with industrial activities, identified in Appendix D of the MSGP;
- meet the eligibility requirements in Part 1.2 of the permit;
- develop a storm water pollution prevention plan (SWPPP) in accordance with Part 5 of the MSGP; and
- install and implement control measures in accordance with Part 4 to meet numeric and non-numeric effluent limits.

If you are unsure if you need an APDES storm water permit, contact your APDES storm water permit program. Contacts are listed at:

http://dec.alaska.gov/water/wastewater/stormwater/

One NOI must be submitted for each facility or site for which you are seeking permit coverage. You do not need to submit separate NOIs for each type of industrial activity present at your facility, provided your SWPPP covers all activities.

When to File the NOI Form

Do not file your NOI until you have obtained and thoroughly read a copy of the MSGP. A copy of the MSGP is located on the DEC website (http://dec.alaska.gov/water/wastewater/stormwater/multisector/). The MSGP describes procedures to ensure your eligibility, prepare your SWPPP, install and implement appropriate storm water control measures, and complete the NOI form questions – all of which must be done before you sign the NOI certification statement attesting to the accuracy and completeness of your NOI. You will also need a copy of the MSGP once you have obtained coverage so that you can comply with the implementation requirements of the permit.

Completing the NOI Form

To complete this form, type or print in the appropriate areas only. Please make sure you complete all questions. Make sure you make a photocopy for your records before you send the completed form to the address below. You may also use this paper form as a checklist for the information you will need when filing an NOI electronically via DEC's OASys system. http://dec.alaska.gov/water/oasys.aspx.

Facility Information

Enter the facility's official or legal name. Unless the name of your facility has changed, please use the same name provided on prior NOIs or permit applications.

Indicate if industrial storm water discharges from your facility were previously covered by an APDES permit.

If your facility was previously covered by the MSGP, please include the tracking number that you received in your confirmation letter or email from DEC's Storm water Program. You can find the tracking number assigned to your previous NOI on DEC's Online Permit Search: http://dec.alaska.gov/Applications/Water/WaterPermitSearch/search.

Enter the street address, including city, state, zip code, borough or similar government subdivision of the actual physical location of the facility. Do NOT use a P.O. Box.

Provide the facility latitude and longitude in decimal degrees format. You can obtain your facility's latitude and longitude though Global Positioning System (GPS) receivers, internet map service, U.S. Geological Survey (USGS) quadrangle or topographic maps, or EPA's web-based siting-tools, among other methods. For consistency, DEC requests that measurements be taken from the approximate center of the facility. Specify which method you used to determine latitude and longitude.

Identify the data source that you used to determine the facility latitude and longitude. If you did not use a USGS quadrangle or topographic map or GPS receivers, then select "Other" and write the method used on the line provided. If you used a USGS quadrangle or topographic map, write the map scale on the line provided. Scale should be identified on the map.

Enter the estimated area of industrial activity at your site exposed to storm water, in acres.

Briefly describe the nature of the industrial activities present at your facility.

Indicate whether your facility is currently inactive and unstaffed. If so then indicate whether your facility will be inactive and unstaffed for the entire permit term; or, if not, specify the specific length of time in units of days, weeks, months, or years (e.g. 3 months) that you expect the facility to be inactive and unstaffed.

Federal Effluent Limitation Guidelines and Sector-Specific Requirements

Depending on your industrial activities, your facility may be subject to effluent limitation guidelines which include additional effluent limits and monitoring requirements for your facility. Please review these requirements, described in Part 4.3 of the MSGP and check any appropriate boxes on the NOI form.

For Sector S facilities (Air Transportation), indicate whether you anticipate that the entire airport facility will use more than 100,000 gallons of glycol-based deicing/anti-icing chemicals and/or 100 tons or more of urea on an average annual basis. If so, additional effluent limits and monitoring conditions apply to your discharge (see Part 11 Sector S of the MSGP).

List the four-digit Standard Industrial Classification (SIC) code and/or two character activity code that best describes the primary industrial activities performed by your facility under which you are required to obtain permit coverage. Your primary industrial activity includes any activities performed on-site which are (1) identified by the facility's one SIC code for which the facility is primarily engaged; and (2) included in the narrative descriptions of 40 CFR 122.26(b)(14)(i), (iv), (v), or (vii), and (ix). See Appendix D of the MSGP for a complete list of SIC codes and activities codes.

If your site has co-located industrial activities that are not identified as your primary industrial activity, identify the sector and subsector codes that describe these other industrial activities. For a complete list of sector and subsector codes, see Appendix D of the MSGP.

Discharge Information

Receiving Waters and Wetlands

You must identify all the outfalls from your facility that discharge storm water. Each outfall must be assigned a unique 3-digit ID (e.g., 001, 002, 003). You must also provide the latitude and longitude for each outfall from your facility. Indicate whether any outfalls are substantially identical to an outfall already listed, and identify the outfall it is identical to. For each unique outfall you list, you must specify the name of the first water of the U.S. that receives storm water directly from the outfall and/or the Municipal Separate Storm Sewer System (MS4) that the outfall discharges to.

Your receiving water may be a lake, stream, river, ocean, wetland, or other waterbody, and may or may not be located adjacent to your facility. Your storm water may discharge directly to the receiving water or indirectly via a storm sewer system, an open drain or ditch, or other conveyance structure. Do NOT list a man-made conveyance, such as a storm sewer system, as your receiving water. Indicate the first receiving water your storm water discharge enters. For example, if your discharge enters a storm sewer system that empties into Trout Creek, which flows into Pine River, your receiving water is Trout Creek, because it is the first waterbody your discharge will reach. Similarly, a discharge into a ditch that feeds Spring Creek should be identified as "Spring Creek" since the ditch is a manmade conveyance. If you discharge into a MS4, you must identify the waterbody into which that portion of the storm sewer discharges and also provide the name of the MS4 operator. That information should be readily available from the operator of the MS4. If you are uncertain of the MS4 operator, contact DEC Division of Water for that information.

You must specify whether any receiving waters that you discharge to are listed as "impaired" as defined in Appendix C, and the pollutants for which the water is impaired. You must also check/identify any Total Maximum Daily Loads (TMDL) that have been completed for any of the waters of the U.S. that you discharge to. You must also provide information about the outfall latitude/ longitude. Further information regarding impaired waters and TMDLs can be found at http://dec.alaska.gov/water/water-quality/impaired-waters.

If you are subject to any benchmark monitoring requirements for metals (see the requirements applicable to your Sector(s) in Part 11 of the permit), indicate the hardness for your receiving water(s). See Appendix E of the permit for information about determining waterbody hardness.

If you are subject to benchmark monitoring requirements for hardness-dependent metals, you must also answer whether your facility discharges into any saltwater receiving waters.

Operator Information

Provide the name of the contact person and the legal name of the firm, public organization, or any other public entity that operates the facility described in this application. An operator of a facility is a legal entity that controls the operation of the facility.

Provide the operator's mailing address, telephone number, fax number (optional), and email address. Correspondence will be sent to this address.

Storm Water Pollution Prevention Plan (SWPPP) Contact Information

Identify the name, telephone number, and email address of the person who will serve as a contact for DEC on issues related to storm water management at your facility. This person should be able to answer questions related to storm water discharges, the SWPPP, and other issues related to storm water permit coverage or have immediate access to individuals with that knowledge. This person does not have to be the facility operator but should have intimate knowledge of storm water management activities at the facility.

If you are making your SWPPP publicly available on a website, provide the appropriate Internet URL address.

Billing Contact Information

Provide the name of the contact person and the legal name of the firm, public organization, or any other public entity that is responsible for accounts payable for this facility.

Provide the billing contact's mailing address, telephone number, fax number (optional), and email address. Correspondence for billing purposes will be sent to this address. If the billing contact address is the same as the operator, check the box and continue to Section III Facility Information. See 18 AAC 72.956 for applicable authorization fee to be paid with the submittal of the NOI.

Certification Information

The NOIs, must be signed as follows:

(1) For a corporation, a responsible corporate officer shall sign the NOI, a responsible corporate officer means:

  (A) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation; or

  (B) the manager of one or more manufacturing, production, or operating facilities, if

    (i) the manager is authorized to make management decisions that govern the operation of the regulated facility, including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental statutes and regulations;

    (ii) the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and

    (iii) authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

(2) For a partnership or sole proprietorship, the general partner or the proprietor, respectively; or

(3) for a municipality, state, or other public agency, either a principal executive officer or ranking elected official shall sign the application; in this subsection, a principal executive officer of an agency means

  (A) the chief executive officer of the agency; or

  (B) a senior executive officer having responsibility for the overall operations of a principal geographic unit or division of the agency.

Include the name, title, organization, and email address of the person signing the form and the date of signing. An unsigned or undated NOI form will not be considered valid application for permit coverage.

If the NOI was prepared by someone other than the certifier (for example, if the NOI was prepared by the facility SWPPP contact or a consultant for the certifier's signature), include the name, organization, telephone number, and email address of the NOI preparer.

Where to File the NOI Form

DEC encourages you to complete the NOI form and SWPPP electronically via the Internet. DEC's Online Application System (OASys) can be found at http://dec.alaska.gov/water/oasys.aspx. Filing electronically is the fastest way to obtain permit coverage and help ensure that your NOI is complete. If you choose not to file electronically, you must send the NOI to the address listed below.

If you file by mail, remember to retain a copy for your records.

NOIs sent by mail:

Alaska Dept. of Environmental Conservation
Wastewater Discharge Authorization Program
Storm Water NOI
555 Cordova Street
Anchorage, AK 99501
Phone: (907) 269-6285
dec.water.wqpermit@alaska.gov

Your SWPPP needs to be submitted with the NOI as required in Part 5 of the MSGP. You must keep a copy of your SWPPP on-site or otherwise make it available to facility personnel responsible for implementing provisions of the permit.

Tracking #:	AKR06GC20	**Facility:**	Sitka Granite Creek Industrial Area Lease Lot 5	**Type:**	Storm Water Multi-Sector General Permit eNOI NEW NOI
Signed by:	Trevor S Sande	**Org:**	Marble Construction LLC		

Facility Information	***Details***
Facility Name: **Enter the facility's official or legal name. Unless the name of your facility has changed, please use the same name provided on prior NOIs or permit applications.**	Sitka Granite Creek Industrial Area Lease Lot 5
Have storm water discharges from your site been covered previously under an APDES permit?	Yes
a.2 have you paid a Multi-Sector General Permit (MSGP) authorization fee for this calendar year?	No
b.1 was your facility in operation and discharging storm water prior to September 29, 2013?	Select
b.2 If no to b.1, did your facility commence discharging after September 29, 2013 and before the effective date of this permit?	Select
Street:	Granite Creek Road, Lot 5
City:	Sitka
State:	AK
Zip Code:	99835
Borough or similar government subdivision: **Alaska Regions Map**	Sitka
Latitude: Converter	57.104167
Longitude:	-135.3825
Mapping Technique:	Internet - Google Maps
If "Other" is selected, please list the mapping technique used:	
If you used a USGS topographic map, what was the scale?	
Estimated area (in acres) of industrial activity at your site exposed to storm water:	5.9
Is this a federal facility?	No
Briefly describe the nature of the industrial activities at the facility:	Unsuitable Soils and Organics Disposal

Discharge Information	***Details***
Does your facility discharge storm water into a Municipal Separate Storm Sewer System (MS4)?	No
If yes, name of MS4 operator:	
a. Are you requesting permit coverage for any storm water discharges subject to effluent limitation guidelines?	Yes
b. If yes, which effluent limitation guidelines apply to your storm water discharges? (40 CFR Part/Subpart)	
c. If you are a Sector S (Air Transportation) facility, do you anticipate using more than 100,000 gallons of glycol-based deicing/anti-icing chemicals and/or 100 tons or more of urea on an average annual basis?	No
Primary SIC Code:	4953
Is your site presently inactive and unstaffed?	Yes
a. If yes, is your site expected to be inactive and unstaffed for the entire permit term?	No
b. If no to "a", then indicate the length of time that you expect your facility to be inactive and unstaffed.	1 month

Sector/SubSector Information

Sector	Subsector
Sector L : LANDFILLS, LAND APPLICATION SITES, AND OPEN DUMPS	Subsector L1 : Landfills, land application sites, and open dumps (1)

Discharge Information

OutFall	OutFall Latitude	OutFall Longitude	Water Body Name	303(d) Impaired	Pollutant(s)	Are the pollutant(s) causing the impairment present in your discharge?	Discharge consistent with TMDL(s)	TMDL ID	TMDL Name	TMDL Water Pollutant	Identical Outfall
001	57.104444	-135.384444	Granite Creek	Yes	tss	Yes	Yes	1	TSS	Sedimentation/Siltation, Turbiity	Select

Contacts	***Details***
Operator, SWPPP Contact, NOI Certifier, NOI Preparer, Billing Contact	Trevor S Sande Managing Member, Marble Construction LLC dba Marble Construction 7180 Revilla RD STE 200 Ketchikan, AK, 99901 US Phone: 907-617-1441 Ext: 101 Cell: 907617-1441 trevorsande@rmketchikan.com

Attachments	***Title (Type), Description***
Granite Creek Lot 5 SWPPP Compiled_final.pdf	Granite Creek Industrial Area Lot 5 SWPPP (SWPPP) *Storm Water Pollution Prevention Plan for Lot 5 Lease to Marble Construction*

E-sign Certifying Language

By selecting the "I agree with the above statement" and clicking on the "E-Sign in myAlaska" I: 1) certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. 2) certify that I have the authority as required by 18 AAC 83.385 to sign this submittal on behalf of Marble Construction LLC; 3) certify that I am Trevor Sande as identified by the myAlaska identity verification system; 4) agree that I am signing this notice of intent under the Storm Water Multi-Sector General Permit eNOI NEW NOI general permit, AKR060000; 5) agree that I intend to be bound by the electronic record of this notice of intent under the Storm Water Multi-Sector General Permit eNOI NEW NOI general permit and the electronic record of this signature and 6) understand that under State and Federal law, criminal penalties apply for falsely certifying a document. If I submit information that I know is false, I could face imprisonment, fines, or both.

DEC Online Application System (OASys)

Copy of Record

Title:	Storm Water Multi-Sector General Permit eNOI NEW NOI
Description:	AKR06GC20 - Sitka Granite Creek Industrial Area Lease Lot 5
Department:	Alaska Department of Environmental Conservation
Division:	Division of Water
Size:	19720 bytes
Signed Date:	7/9/2021 6:04:05 PM
Signed By:	Trevor S Sande
	View Document

Back

Department of Environmental Conservation
Division of Water
410 Willoughby Ave., Ste. 303, P.O. Box 111800, Juneau, AK 99811-1800
Phone: (907) 465-5180 || Fax: (907) 465-5177 || TDD: Alaska Relay: 1 (800) 770-8973

CONDITIONAL USE PERMIT 05-15 DOCUMENTATION

City and Borough of Sitka

PROVIDING FOR TODAY…PREPARING FOR TOMORROW

Coast Guard City, USA

April 21, 2021

Attn: Michael Harmon
City & Borough of Sitka – Public Works Department
100 Lincoln Street
Sitka, AK, 99835

Dear Mr. Harmon,

This is to inform you that your amendment request to CUP 05-15 for operation of a landfill at the upper end of Granite Creek Road was approved by the Planning Commission on April 7, 2021. The enclosed findings of fact and decision document outlines the conditions of approval.

All work must be in general conformance with the plans that were approved by the Planning Commission.

In the event the conditional use permit is not utilized during any twelve-month period, the approval shall lapse. If you should have any questions, please feel free to contact the Planning Office at 747-1814.

Sincerely,

Ben Mejia
Planner I

Enclosures: Planning Commission approvals and findings

BEFORE THE PLANNING COMMISSION OF THE CITY AND BOROUGH OF SITKA

IN THE MATTER OF THE AMENDMENT)
TO CONDITIONAL USE PERMIT APPLICATION CUP 18-05)
OF CITY AND BOROUGH OF SITKA FOR LANDFILL OPERATIONS)
AT A PORTION OF USS 5530 AND A PORTION OF LOT 1, USS 3670)

FINDINGS OF FACT AND DECISION

City and Borough of Sitka Planning Commission sat on April 7, 2021, pursuant to Sitka General Code ("SGC") 22.30.160, regarding a conditional use permit ("CUP") application from City and Borough of Sitka, Public Works Department. The application was to request approval for an amendment to landfill operations at a portion of USS 5530 and a portion of lot 1, USS 3670.

After considering the record, hearing testimony, conducting a public hearing, and deliberating in accordance with applicable SGC provisions, the Planning Commission approved the CUP amendment by a 5-0 vote, and accepted recommended conditions and findings. *See* Exhibit A – Planning Commission Findings and Conditions of Approval at pg. 2-3.

This Findings of Fact and Decision constitutes the final decision of the Planning Commission. Any appeal from this Findings of Fact and Decision must be filed with the Sitka Superior Court within 10 days of this final decision, in accordance with SGC 22.30.220.

DATED at Sitka, Alaska, this 21st day of April, 2021.

Chair Chris Spivey

ATTEST:

Ben Mejia
Planner I

M-Alderson/S-Windsor moved move to approve the amendment to CUP 05-15 to include land clearing landfill operations to the approved uses for the Upper Granite Creek site in the Industrial district subject to the attached conditions of approval. The property is also known as a Portion of USS 5530 and a Portion of Lot 1, USS 3670. The request is filed by the City and Borough of Sitka, Public Works Department. The owner of record is the City and Borough of Sitka.

Conditions of approval:

1. Operation of the site is consistent with the narrative and applications as presented in the amendment request.
2. The allowable hours of operation for the site are 7:00 am to 7:00 pm, excepting portions of the operation which are associated with low noise levels such as maintenance of equipment.
3. In the Operating Requirements document, all sections that refer to the "Public Works Superintendent" can also be interpreted as the "Lessee and their Superintendent."
4. The Planning Commission, at its discretion, may schedule a public hearing at any time for the purpose of resolving issues with the request and mitigating adverse impacts on nearby properties upon receipt of meritorious complaint or evidence of violation of conditions of approval.

M-Alderson/S-Windsor moved to adopt and approve the required findings for conditional use permits for this amendment. Motion passed 5-0 by voice vote.

Findings:

1. **A conditional use permit may be approved only if all of the following findings can be made regarding the proposal and are supported by the record that the granting of the proposed conditional use permit will not:**
    a. **Be detrimental to the public health, safety, and general welfare;**
    b. **Adversely affect the established character of the surrounding vicinity; nor**
    c. **Be injurious to the uses, property, or improvements adjacent to, and in the vicinity of, the site upon which the proposed use is to be located.**
2. **The granting of the proposed conditional use permit is consistent and compatible with the intent of the goals, objectives and policies of the comprehensive plan and any implementing regulation.**
3. **All conditions necessary to lessen any impacts of the proposed use are conditions that can be monitored and enforced.**
4. **The proposed use will not introduce hazardous conditions at the site that cannot be mitigated to protect adjacent properties, the vicinity, and the public health, safety and welfare of the community from such hazard.**
5. **The conditional use will be supported by, and not adversely affect, adequate public facilities and services; or that conditions can be imposed to lessen any adverse impacts on such facilities and services.**
6. **Burden of Proof. The applicant has the burden of proving that the proposed conditional use meets all of the criteria in subsection B of this section.**

CITY AND BOROUGH OF SITKA

PLANNING DEPARTMENT

CONDITIONAL USE PERMIT APPLICATION

Conditional Use Permit FEE $100.00
***plus** current city sales tax**

APPLICANT'S NAME: CITY AND BOROUGH OF SITKA

PHONE NUMBER: 747-1804

MAILING ADDRESS: 100 LINCOLN ST.

OWNER'S NAME: N/A

(If different from applicant)

PHONE NUMBER:

MAILING ADDRESS:

PROJECT ADDRESS:

LEGAL DESCRIPTION Lot: Block:

Subdivision:

U.S. Survey: Zoning Classification: INDUSTRIAL

☐ State all reasons for justifying request: IN ORDER FOR THE KIMSHAM LANDFILL TO BE OFFICALLY CLOSED A NEW ALTERATIVE LANDFILL MUST BE PERMITTED

☐ List all features and details of request: PLEASE SEE ATTACHED DRAWINGS

☐ State the schedule and timing of request: THE KIMSHAM LANDFILL PERMIT HAS BEEN EXTENDED TO MAY 15, 2006. IN ORDER TO CLOSE KIMSHAM PERMANENTLY AND CONSTRUCT THE NEW ATHLETIC FIELDS A NEW LANDFILL MUST BE PERMITTED ACCORDING TO D.E.C. REGULATIONS

Please attach drawings, maps, and additional narrative as appropriate.

In applying for and signing this application, the property owner hereby grants permission to Municipal staff to access the property before and after Planning Commission's review for the purposes of inspecting the proposed and/or approved structures.

SIGNATURE OF APPLICANT: Brian Y Bergman Date: 12-30-05

SIGNATURE OF OWNER: Brian Y Bergman Date: 12-30-05

(If different from the applicant)

Granite Creek landfill

Allan & Hannah Nelson
3890 Halibut Point Rd
Sitka, AK 99835

Marguerite Lowrance
PO Box 95
Amado, AZ 85645

Pauline Bergdoll
3618 Halibut Pt Rd
Sitka, AK 99835

Kim and Jill Hanson
3702 Halibut Pt Rd #A
Sitka, AK 99835

Harvey and Kathleen Brandt
3704 Halibut Pt Rd
Sitka, AK 99835

Gene and Kristen Griffin
3708 Halibut Pt Rd
Sitka, AK 99835

Dan and Debra Cox
106-A Granite Creek Road
Sitka, AK 99835

Satre-Elerding Partnership
Attn: Mike Elerding
PO Box 8112
Ketchikan, AK 99901

Dirk and Trish White
106 Lincoln St
Sitka, AK 99835

John and Frances Bahrt
PO Box 1654
Sitka, AK 99835

Bob and Phyllis Kluting
3802 Halibut Pt Rd
Sitka, AK 99835

Chuck and Nancy McGraw
PO Box 718
Sitka, AK 99835

Todd and Julie White
125 Granite Creek
Sitka, AK 99835

Tim Eddy
PO Box 2496
Sitka, AK 99835

Kelly & Camille Ferguson
3880 Halibut Pt Rd
Sitka, AK 99835

Marcus and Faith Lee
141 Wolff Dr
Sitka, AK 99835

Sitka Golf Association
PO Box 1693
Sitka, AK 99835

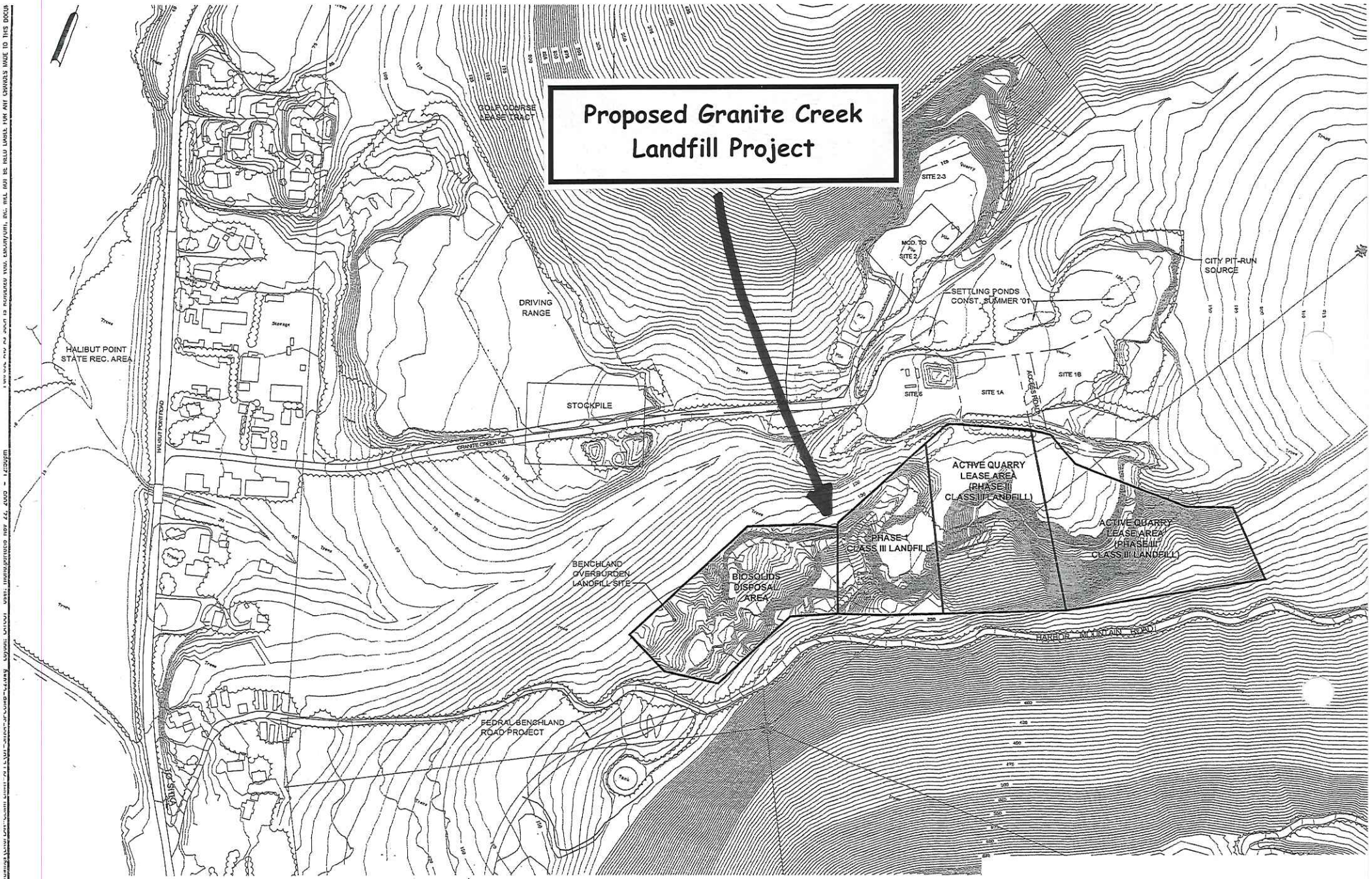
McGraw Construction and Gravel
PO Box 185
Sitka, AK 99835

Southeast Earthmovers
PO Box 185
Sitka, AK 99835

Tisher Construction
315 Seward St
Sitka, AK 99835

Aggregate Construction
401 Granite Creek Rd #6
Sitka, AK 99835

Proposed Granite Creek Landfill Project



0 200 400

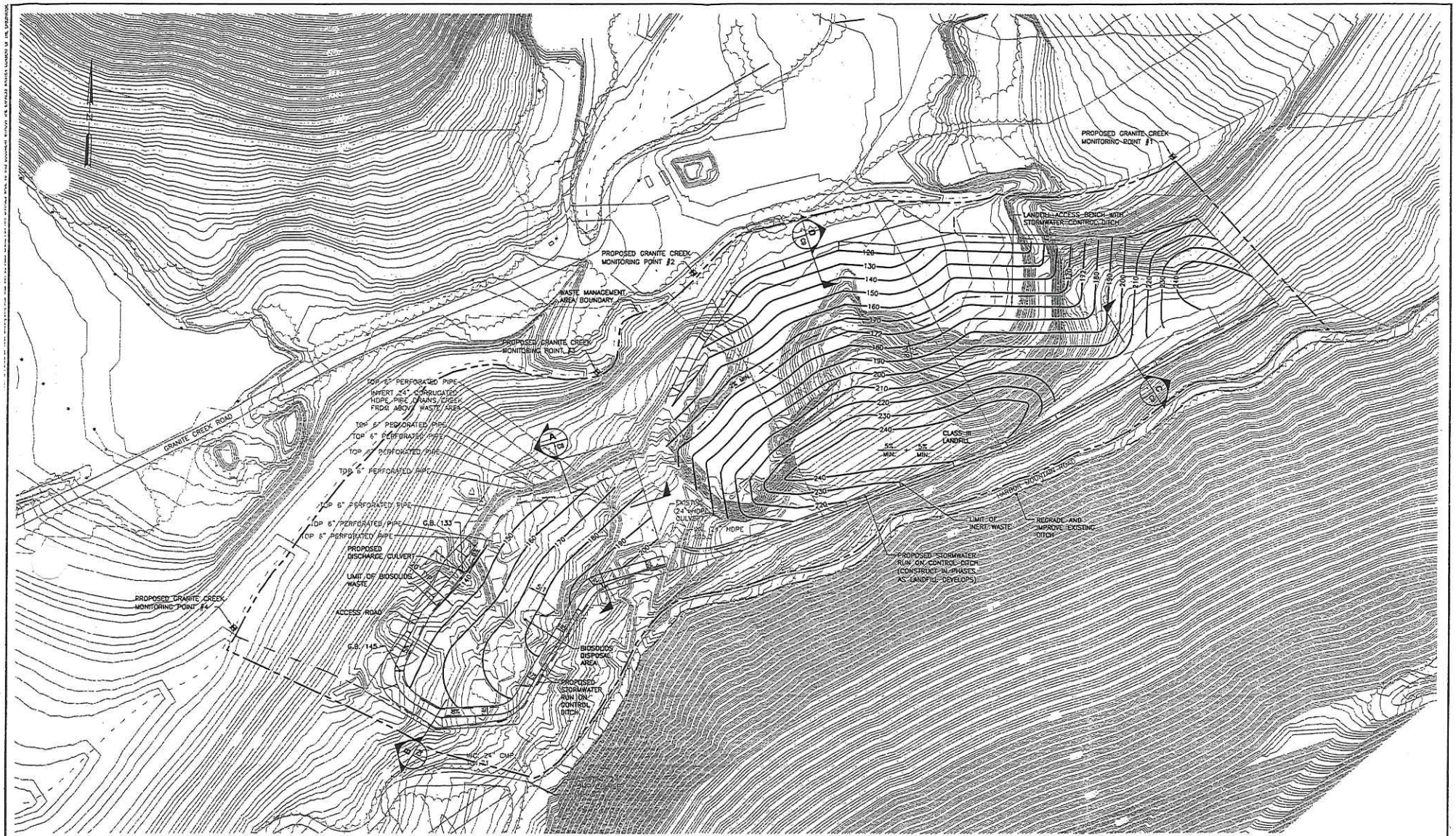
SCALE IN FEET

SOURCE: GRANITE CREEK INDUSTRIAL AREA VICINITY MAP DRAWING
CITY AND BOROUGH OF SITKA
DEPARTMENT OF PUBLIC WORKS
SITKA, ALASKA
Date: FEBRUARY 2, 2002

REV	DATE	DES	CHK'D	APR'VD	DESCRIPTION/ISSUE
0	11/05	IS	MGS	IS	ISSUED FOR PERMIT

CITY AND BOROUGH OF SITKA
DECEMBER 2, 1867

Shaw® EMCON/O
19909 120th Avenu
Bothell, Washington
Phone (425) 485-
Fax. (425) 486-97



0 100 200
SCALE IN FEET

The topographic data shown is a composite of two separate drawings, Boundary, Granite Creek Lease Area 4, date surveyed Sept. 24, 2004 and Granite Creek Industrial Vicinity Map, drawn Feb. 6, 2003 by O'Neill Surveying and Engineering. The contours were generated using Land Development Desktop 2005 by Shaw Environmental, Inc. on May 2005.

REV	DATE	DES	CHK'D	APP'VD	DESCRIPTION/ISSUE
0	11/05	IS	MGS	IS	ISSUED FOR PERMIT

Shaw EMCON/OWT, Inc.
19909 120th Avenue N.E., Suite 101
Bothell, Washington 98011
Phone (425) 485-5000
Fax. (425) 486-9766

SITKA LANDFILL
CITY AND BOROUGH OF SITKA
100 LINCOLN STREEET, SITKA, ALASKA
ENGINEERING DRAWINGS
CLASS III SOLID WASTE DISPOSAL PERMIT APPLICATION

CLASS III LANDFILL FINAL GRADING PLAN

DATE	DRAWN BY	M. PORTACIO	CHECKED BY	M. STEWART	7/05	DRAWING NO.
6/05	DESIGNED BY	L. SLUTSKY	APPROVED BY	L. SLUTSKY	7/05	C5
SCALE: AS SHOWN	PROJECT NO. 109786			REVISION NO. 0		

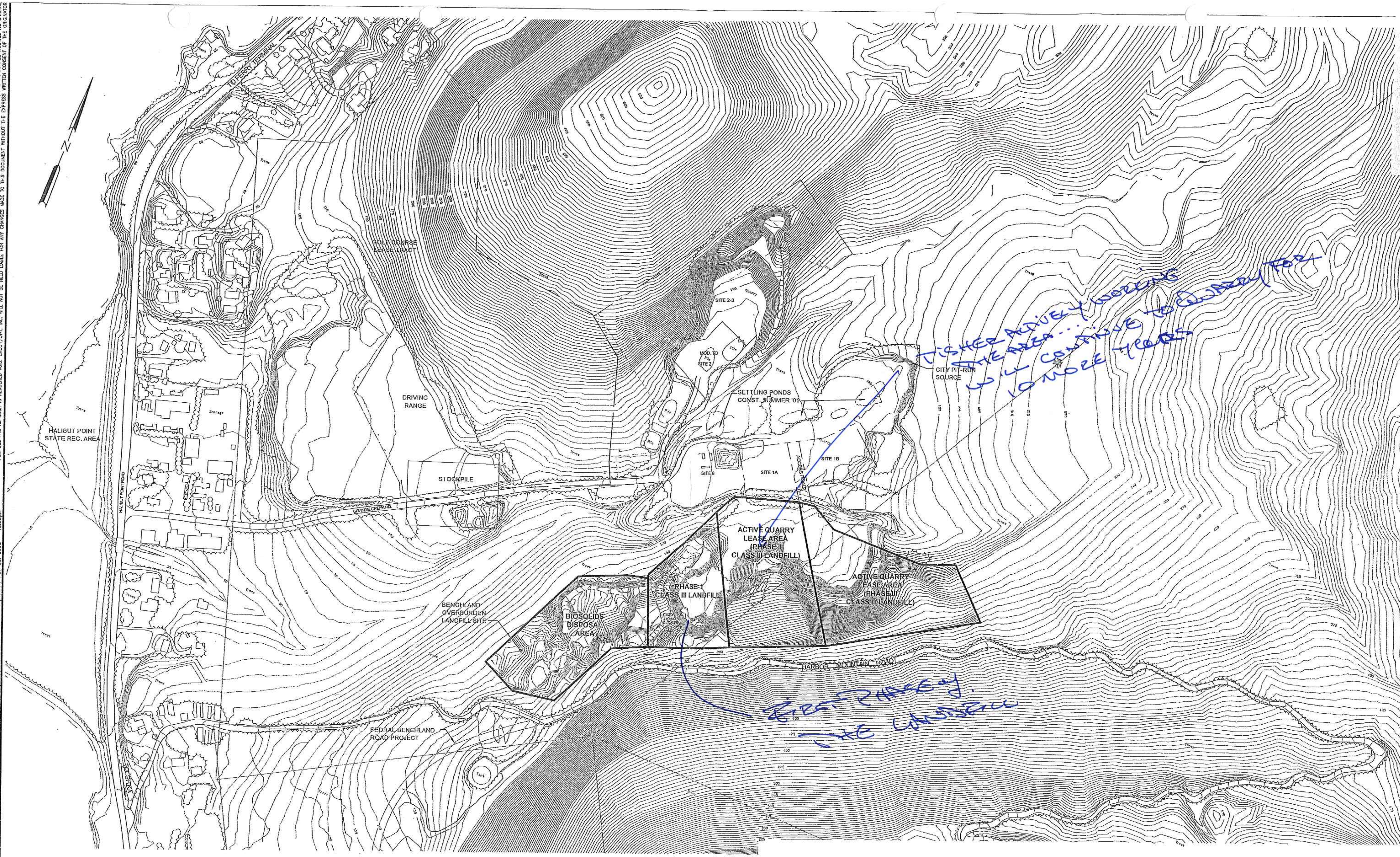
City and Borough of Sitka
100 Lincoln Street • Sitka, Alaska 99835

Summary of Granite Creek Landfill Project From Design Report

The project consists of a landfill for the disposal of construction and demolition debris (inert waste), asbestos waste, incinerator ash generated in Sitka, and disposal of up to 1,825 tons of municipal solid waste (MSW) annually on an as-needed basis. The MSW component is required for the closure of the Kimsham landfill so that the municipality has a standby landfill in the event transportation to Sitka is disrupted.

A vicinity map is attached.

A complete conditional use application, which contains operational details, is available in the Planning Office.



0 200 400
SCALE IN FEET

SOURCE: GRANITE CREEK INDUSTRIAL AREA VICINITY MAP DRAWING
CITY AND BOROUGH OF SITKA
DEPARTMENT OF PUBLIC WORKS
SITKA, ALASKA
Date: FEBRUARY 2, 2002

REV	DATE	DES	CHK'D	APR'VD	DESCRIPTION/ISSUE
0	11/05	IS	MGS	IS	ISSUED FOR PERMIT

CITY AND BOROUGH OF SITKA DECEMBER 2, 1971

Shaw® EMCON/OWT, Inc.
19909-120th Avenue N.E., Suite 101
Bothell, Washington 98011
Phone (425) 485-5000
Fax. (425) 486-9766

SITKA LANDFILL
CITY AND BOROUGH OF SITKA
100 LINCOLN STREEET, SITKA, ALASKA
ENGINEERING DRAWINGS
CLASS III SOLID WASTE DISPOSAL PERMIT APPLICATION
SITE PLAN

DATE	DRAWN BY	M. PORTACIO	CHECKED BY	M. STEWART	7/05	DRAWING NO.
6/05	DESIGNED BY	I. SLUTSKY	APPROVED BY	I. SLUTSKY	7/05	C2
SCALE: AS SHOWN	PROJECT NO. 109786			REVISION NO. 0		

XREF Files: IMAGE Files: shaw-envinc-color.jpg
File: N:\Project\final\CityofSitka\109786\Drawings\ENGPLAN-CLIIIWPERMIT-APPL\BT-SITKA-SPCOMB-C2.dwg Layout: LAYOUT User: maria.portacio Nov 22, 2005 - 12:50pm

1" 1/2" 0"

City and Borough of Sitka
100 Lincoln Street • Sitka, Alaska 99835

Sitka Planning Commission Agenda
Tuesday January 17, 2006
Held in the Harrigan Centennial Hall
330 Harbor Drive, Sitka, Alaska
7:00 p.m.

I. CALL TO ORDER AND ROLL CALL
II. CONSIDERATION OF THE MINUTES FROM January 3, 2006
III. THE EVENING BUSINESS

A. Public hearing on the draft update of the 1999 Comprehensive Plan. This hearing is a continuation of the previous hearings that were held on the document.

B. Consideration of a preliminary plat for a major subdivision creating five lots and dedicating Tongass Avenue and Seward Avenue right of ways on Japonski Island. The plat is filed by the Alaska Department of Transportation and Public Facilities. The property involves Lot 15 of USS 1496 and the existing Tongass and Seward Avenues.

C. Public hearing and consideration of a conditional use permit filed by the City and Borough of Sitka for a landfill at the upper end of Granite Creek Road. The property is also known as a Portion of USS 5530 and a Portion of Lot 1, USS 3670.

D. Public hearing and condsideration of four variance requests to reduce all four side setbacks to zero feet for construction of a home seaward of ATS 15 at 726 Siginaka Way. This request is filed by Dennis Hicks.

E. Public hearing and consideration of a variance request filed by Ken Dinsmore to reduce a side setback to zero feet for construction of a garage at 4274 Halibut Point Road. The property is also known as Lot 4 of the Ryman Subdivision.

V. PLANNING DIRECTOR'S REPORT
VI. PUBLIC BUSINESS FROM THE FLOOR
VII. ADJOURNMENT

NOTE: Individuals having concerns or comments on any item are encouraged to provide written comments to the Planning Office or make comments at the Planning Commission meeting. Written comments may be dropped off at the Planning Office in City Hall, e-mailed to sara@cityofsitka.com, or faxed to 747-6138. Those with questions may call 747-1814.

Publish: January 9, 11

City and Borough of Sitka
PLANNING AND ZONING COMMISSION
Minutes of Meeting
January 17, 2006

Present: Chair Pat Hughes, Brian McNitt, Don Alexander, Planning Assistant Sara Russell, and Secretary Maria Finkenbinder

Absent and excused: Bob Goss, Tom Rogers

Members of the Public: City Public Works Director Rich Riggs, Lureen Stedman, Jean Frank, Harvey Brandt

Chair Hughes called the meeting to order at 7:00 pm.

CONDITIONAL USE PERMIT
LANDFILL AT THE UPPER END OF GRANITE CREEK RD.
CITY AND BOROUGH OF SITKA

Public hearing and consideration of a conditional use permit filed by the City and Borough of Sitka for a landfill at the upper end of Granite Creek Road. The property is also known as a Portion of USS 5530 and a Portion of Lot 1, USS 3670.

Ms. Russell explained that in order for the Kimsham Landfill to be officially closed, a new alternative landfill needs to be opened. The Municipality has been granted an extension of the Kimsham Landfill through May 15, 2006. The landfill at Granite Creek Road will be for the disposal of construction and demolition debris, asbestos waste, incinerator ash, and disposal of municipal solid waste (MSW). The Municipal solid waste component is a requirement for the closure of the Kimsham landfill. The State requires that there be an emergency landfill in case barge transportation is disrupted. She added that there are currently two leaseholders in two areas at the site but their lease will be up by the time their area will be filled.

Mr. Riggs said that site will be a class 3 facility which is primarily for inert wood waste, construction and demolition debris, and a contingency site for municipal solid waste. In the future, the Public Works Department plans to combine the two areas and install a tub mill grinder for composting similar to what is now being done in Ketchikan. The permit for the landfill has been filed with the DEC and its internal review is expected to be completed within the week. It will then been subject to a 50-day public comment period. Staff will plan a community forum or public meeting to discuss the closure of the Kimsham landfill and the opening of the Granite Creek landfill.

On Mr. McNitt's question regarding the MSW component of the landfill, Mr. Riggs stressed that it will only be used as an emergency option in case, for any reason, MSW can't be shipped out of the island. He said that if MSW is put in, it will immediately be closed with liners. He added they will make sure that they will have the materials to close it always on hand.

On Mr. Alexander's question regarding provisions for public safety, Mr. Riggs said that the site will be fenced in and gated.

Mr. Harvey Brandt, a member of the public, asked about the direction of the drainage and mentioned that over the years , he has seen substantial sediments coming down from the area. He expressed concerned that it would be a "Trojan horse for a giant thing."

In reply, Mr. Riggs explained that bio-solids or sludge will be subject to lime treatment before it is released

to the environment. He added that there is a buffer between the landfill and the creek that would prevent draining directly to the creek. He pointed out that the Staff has done a lot of things to make sure that turbidity is reduced.

On Mr. McNitt's question if DEC needs the conditional use permit before the permit goes to public comment phase, Mr. Riggs replied in the negative but pointed out that their hope was to work on the DEC and the conditional use permits concurrently and not stagger it to the detriment of the Kimsham landfill closure. He added that the Staff had multiple meetings and correspondence with DEC. The consultant for the project will be in town for the Assembly meeting.

Mr. McNitt explained that he wants to know more about the back up plan on the MSW and would like to see the comments from DEC.

By unanimous consent, action on this agenda item was deferred till the February 7th meeting, pending additional information from DEC.

ADJOURNMENT

The meeting adjourned at 8:50 pm.

Chair, Pat Hughes

Secretary, Maria Finkenbinder

City and Borough of Sitka

100 Lincoln Street • Sitka, Alaska 99835

Sitka Planning Commission Agenda
Tuesday February 7, 2006
Held in the Harrigan Centennial Hall
330 Harbor Drive, Sitka, Alaska
7:00 p.m.

I. CALL TO ORDER AND ROLL CALL
II. CONSIDERATION OF THE MINUTES FROM January 17, 2006
III. THE EVENING BUSINESS

A. Consideration of a final plat for a major subdivision creating five lots and dedicating Tongass Avenue and Seward Avenue right of ways on Japonski Island. The plat is filed by the Alaska Department of Transportation and Public Facilities. The property involves Lot 15 of USS 1496 and the existing Tongass and Seward Avenues.

B. Public hearing and consideration of a conditional use permit filed by the City and Borough of Sitka for a landfill at the upper end of Granite Creek Road. The property is also known as a Portion of USS 5530 and a Portion of Lot 1, USS 3670.

C. Discussion among the Planning Commission on the policy of granting zero setback variances.

IV. PLANNING DIRECTOR'S REPORT
V. PUBLIC BUSINESS FROM THE FLOOR
VI. ADJOURNMENT

NOTE: Individuals having concerns or comments on any item are encouraged to provide written comments to the Planning Office or make comments at the Planning Commission meeting. Written comments may be dropped off at the Planning Office in City Hall, e-mailed to sara@cityofsitka.com, or faxed to 747-6138. Those with questions may call 747-1814.

Publish: January 30, February 1

City and Borough of Sitka
PLANNING AND ZONING COMMISSION
Minutes of Meeting
February 7, 2006

Present: Chair Pat Hughes, Tom Rogers, Brian McNitt, Don Alexander, Planning Director Wells Williams, Planning Assistant Sara Russell, and Secretary Maria Finkenbinder

Absent and excused: Bob Goss

Members of the Public: City Public Works Director Rich Riggs, Environmental Supt. Mark Buggins, Jay Stelzenmuller, Gene Griffin, Brian Massey, Steve Morse, Bill Paden, Mike Binkie, Bob Fehlberg, Steve Clayton

The evening's business:

CONDITIONAL USE PERMIT
LANDFILL AT THE UPPER END OF GRANITE CREEK RD.
CITY AND BOROUGH OF SITKA

Public hearing and consideration of a conditional use permit filed by the City and Borough of Sitka for a landfill at the upper end of Granite Creek Road. The property is also known as a Portion of USS 5530 and a Portion of Lot 1, USS 3670.

Mr. Williams briefly discussed the highlights of the request, saying that the facility has to be online in order for Kimsham Landfill to be officially closed. It is a DEC requirement that an emergency landfill is available in case barge transportation is disrupted. He added that Klaudia Leccese of the Solid Waste Implementation Team (SWIT) supports the closure of the landfill and the conditional use permit for the Granite Creek landfill.

Mr. Riggs explained that the City's solid waste is currently sent to eastern Washington while wastewater sludge goes to Kimsham Landfill and scrap metal is processed. He pointed out that the impetus for the conditional use permit request is the the closure of Kimsham Landfill which he said, was a commitment that the City made. He said that a recreational use plan is now in place for the Kimsham Landfill site. He also said that the Granite Creek site has two lease areas that are active quarry sites, the boundaries of which were adjusted by the Assembly to accommodate the proposed landfill. The City continues to hold open meetings with SWIT and plans to hold a public meeting, independent of the regulatory meetings.

In addition, Mr. Riggs pointed out that the site has been previously permitted by the Planning Commission for land clearing. He said that they are aware of the importance of the creek but they have made improvements to address stormwater issues and have planned additional monitoring of the creek. He noted that included in the DEC permit application is a surface water monitoring plan. A class C landfill doesn't require a groundwater investigation. He also said that a copy of the DEC landfill permit application is available at the Kettleson Memorial Library.

Mr. Stelzenmuller expressed concern with the biosolids waste area, pointing out the possibility of pathogens polluting the creek. He suggested seeking another option for the biosolids waste.

Mr. Buggins explained that the wastewater sludge doesn't flow directly to the creek. It will meander through the muskeg area. He admitted that pathogens and coliform bacteria are present in wastewater but they are treating it with above class B treatment which is even required at the landfill. He pointed out the wastewater is being analyzed every two years for metal concentration and findings consistently indicate that the metal concentration in Sitka's wastewater is extremely low. He added that it has never

been an expressed concern from any regulatory agency.

Mr. Griffin said that there is a potential to degrade Granite Creek considering its distance to the creek. He raised questions if groundwater and geologic studies have been made or if other alternative sites have been considered. He felt that opening the Granite Creek landfill is a rush decision. He added that the City designated the area as wetlands. He apologized to the Kimsham residents but still maintained that the new site holds risks as there hasn't been a geologic studies made.

In response to Mr. Griffin's concern, Mr. Williams said that he is unaware that the area has been set aside by the Army Corps of Engineers as wetlands. He added that the area is partly zoned public where the most stringent regulatory process will apply. One or two elements of the site require conditional use permit while other elements are permitted. He also pointed out that there is a substantial depression around the site creating a bowl-shape grade which separates the facility from the creek.

Mr. Massey urged the Commission to approve the conditional use permit in order to move ahead with the closure of Kimsham landfill. He stressed that Kimsham landfill is located directly uphill from Keet Gooshi Heen and near Sitka High School. He said the Granite Creek site has been the direction of the City for the past five years as documents would show. He added that a vote for Granite Creek is a vote for the closure of Kimsham.

Mr. Morse echoed Mr. Massey's sentiments and pointed out that the closest building to the Granite Creek site is 1,600 feet away while the closest house to Kimsham is 160 feet away and Keet Gooshi Heen is 700 feet away.

Mr. Paden remarked that there is no perfect place on Baranof Island to put bio-solids, saying that there isn't a site that is not adjacent to wetlands or fish stream. He said that Kimsham had reached the end of its useful life and urged the Commission to recommend approval by the Assembly. He expressed confidence that the new site is undergoing a thorough review process by the State.

Mr. McNitt said that he was able to meet with Mr. Riggs, Mr. Buggins and the DEC to discuss his concerns about the landfill. He feels comfortable now, saying that the proposed site is way better than the present site. However, he expressed hope that the City will look into alternative methods of dealing with wastewater sludge including composting, instead of just letting it run to the ground.

MOTION: **M/S Rogers/Alexander** moved to recommend Assembly approval of a conditional use permit filed by the City and Borough of Sitka for a landfill at the upper end of Granite Creek Road. The property is also known as a Portion of USS 5530 and a Portion of Lot 1, USS 3670. The recommendation for Assembly approval is based on the following findings:

1. The granting of the proposed conditional use permit will not:
   a. be detrimental to the public health, safety, and general welfare;
   b. adversely affect the established character of the surrounding vicinity; nor
   c. be injurious to the uses, property, or improvements adjacent to, and in the vicinity of, the site upon which the proposed use is to be located.
2. That the granting of the proposed Conditional Use Permit is consistent and compatible with the intent of the goals, objectives and policies of the Comprehensive Plan and any implementing regulation.
3. That all conditions necessary to lessen any impacts of the proposed use are conditions that can be monitored and enforced.
4. That the proposed use will not introduce hazardous conditions at the site that cannot be mitigated to protect adjacent properties, the vicinity, and the public health, safety and welfare of the community from such hazard.

5. That the conditional use will be supported by, and not adversely affect, adequate public facilities and services; or that conditions can be imposed to lessen any adverse impacts on such facilities and services.

ACTION: Motion **PASSED 4-0**.

Granite Creek Landfill Project
February 7, 2006

This item was deferred from our last meeting at the request of the board. The hope was to have more board members present and also have the project consultant available to answer questions.

Unfortunately the project consultant is not able to attend Tuesday night's meeting however, the Public Works Director will be on hand to answer questions.

At the last meeting there were three board members present. It looks as though we will have four present on Tuesday night – Mr. Goss is out of town.

As mentioned at our last meeting, this request and the closure of the Kimsham Landfill coincide. The hope is that by spending another meeting on the issues, questions and concerns will be resolved in order to keep the landfill project on course.

Granite Creek Landfill Project
January 17, 2006

In order for the Kimsham Landfill to be officially closed a new alternative landfill needs to be opened. The Municipality has been granted an extension of the Kimsham Landfill through May 15, 2006.

A conditional use permit request has been filed by the Public Works Department to open a landfill at the upper end of Granite Creek Road. This landfill would be for the disposal of construction and demolition debris, asbestos waste, incinerator ash, and disposal of municipal solid waste. The Municipal solid waste component is a requirement for the closure of the Kimsham Landfill. The State requires that there be an emergency landfill in case barge transportation is disrupted.

Access to the landfill will be provided by two different routes: Granite Creek Road and the Harbor Mountain Bypass Road.

When looking at the circled area on the enclosed aerial map, the portion to the far left will be for biosolids, and then the area just to the right of that will be where the landfill will start. Also a point to be noted is the large knoll that is pictured in the aerial map is almost non existent due to the rock quarry work that has taken place.

Those companies holding a lease in the landfill area will complete the terms of their lease.

The Public Works Director will be at Tuesday's meeting and can answer any specific questions.

A motion recommending approval is suggested based on the following findings:

1. The granting of the proposed conditional use permit will not:
    a. be detrimental to the public health, safety, and general welfare;
    b. adversely affect the established character of the surrounding vicinity; nor
    c. be injurious to the uses, property, or improvements adjacent to, and in the vicinity of, the site upon which the proposed use is to be located.
2. That the granting of the proposed Conditional Use Permit is consistent and compatible with the intent of the goals, objectives and policies of the Comprehensive Plan and any implementing regulation.
3. That all conditions necessary to lessen any impacts of the proposed use are conditions that can be monitored and enforced.
4. That the proposed use will not introduce hazardous conditions at the site that cannot be mitigated to protect adjacent properties, the vicinity, and the public health, safety and welfare of the community from such hazard.
5. That the conditional use will be supported by, and not adversely affect, adequate public facilities and services; or that conditions can be imposed to lessen any adverse impacts on such facilities and services.

Reviewed by Administrator

City and Borough of Sitka

100 Lincoln Street • Sitka, Alaska 99835

Memorandum

To: John Stein, Municipal Administrator
Mayor Dapcevich and Members of the Assembly

From: Wells Williams, Planning Director

Subject: Granite Creek Landfill Conditional Use Permit Request

Date: February 22, 2006

The Sitka Planning Commission is unanimously recommending approval of a conditional use permit for a municipal landfill in the Granite Creek area. The project has been in the works for several years and will facilitate the closure of the Kimsham landfill. The board's action was taken on February 7th.

The landfill is for the disposal of construction and demolition debris, asbestos waste, incinerator ash, and disposal of municipal solid waste. The municipal solid waste component is a requirement for the closure of Kimsham. The State requires that there be an emergency landfill in case barge transportation is disrupted. Access to the landfill will be provided by two different routes - Granite Creek Road and the Harbor Mountain Bypass Road.

The Planning Commission reviewed the proposal on January 17th and February 7th. While there was not any citizen input in January, there were a number of comments at the February meeting. Jay Stezenmuller and Gene Griffen expressed environmental concerns during the meeting. Brian Massey, Steve Morse, and Bill Paden indicated support and mentioned how long the project has been in development. Environmental Superintendent Mark Buggins and Public Works Director Rich Riggs were present and responded to technical questions. The comments are covered in more detail in the attached minutes.

The Planning Office is suggesting that the Assembly approval be contingent upon the passage of the zoning housekeeping ordinance which is on the Assembly agenda for First Reading on February 28th. While landclearing landfills and solid waste transfer facilities are conditional uses in the Industrial zone, landfills are not. The housekeeping ordinance will correct this inadvertent oversight in the complicated use tables.

Recommended Action:

Approve the conditional use request contingent on the passage of the relevant section in Ordinance 2006 – 06.

Thank you.

Cleo Brylinsky as a Long Range Planning Commission member said she is convinced we need a planner.
Main motion PASSED on a 6-1 roll call vote with Dapcevich voting against.

Reber Stein, speaking as a member of the long Range Planning Commission, shared that they have been meeting once a week with very few breaks. It is generally understood housing should cost no more than 30% of your income; $55,000 is Sitka's media family income. The proposal for the old city shops from the LRPED report came down to a recommendation to seek RFPs for a planned unit development in that area. They are looking for innovative concepts.

The next items were taken up out of order.

XI. NEW BUSINESS:
Board of Adjustment

MOTION, by Bailey to convene as the board of adjustment.

Motion PASSED by unanimous consent.

MOTON, by Bailey to move to change the order of the day and take up Items Q and R and then go back to Item P.

Motion PASSED on unanimous vote.

Item Q
Landfill Granite Creek

MOTION, by Bailey to approve the conditional use permit for a municipal landfill in the Granite Creek area. This approval is contingent on the passage of Ordinance 2006-06.

Riggs offered this will be done with internal resources. Since this is going to be used as a backup for municipal solid waste when the barge for whatever reason doesn't make it in, and so far that has never happened. No hazardous waste will be accepted at this landfill.

There was discussion regarding the possibility of any other alternatives.

Brian Massey encourages the opening of Granite Creek and the closure of Kimsham.

Andrew Thoms would like to see more exploration into composting.

Tom Hart, as a member of SWIT, said they fully support the closure of Kimsham landfill and the opening of an emergency solid waste landfill. They had no recommendations regarding the Granite Creek site.

Motion PASSED on a 6-1 roll vote with Stelzenmuller opposed.

Reconvene

MOTION, by Bailey to reconvene as the Assembly in regular session.

Motion PASSED by unanimous consent.

Recess

Recess was taken from 10:00 p.m. from 10:05 p.m.

Item R
Assembly Representative

MOTION, by Holst to appoint Mr. Gary Paxton as the Assembly's representative to the Employee Relations Board.

PUBLIC NOTICE
*** * * REVISED * * ***
Sitka Planning Commission Agenda
Tuesday, February 7, 2006
Held in Centennial Hall, 330 Harbor Drive, Sitka, Alaska
7:00 p.m.

I. Call to Order and Roll Call
II. Consideration of the Minutes from January 17, 2006
III. The Evening Business
A. Public hearing and consideration of a conditional use permit filed by the City and Borough of Sitka for a landfill at the upper end of Granite Creek Road. The property is also known as a Portion of USS 5530 and a Portion of Lot 1, USS 3670.
B. Discussion among the Planning Commission on the policy of granting zero setback variances
IV. Planning Director's Report
V. Public Business from the Floor
VI. Adjournment
Published: February 1, 3, 2006

PUBLIC NOTICE
Sitka Planning Commission Agenda
Tuesday, January 17, 2006
Centennial Hall, 330 Harbor Drive, Sitka Alaska
7:00 p.m.

I. Call to Order and Roll Call
II. Consideration of the minutes from January 3, 2006
III. The Evening Business
A. Public hearing on the draft update of the 1999 Comprehensive Plan. This hearing is a continuation of the previous hearings that were held on the document.
B. Consideration of a preliminary plat for a major subdivision creating five lots and dedicating Tongass Avenue and Seward Avenue right of ways on Japonski Island. The plat is filed by the Alaska Department of Transportation and Public Facilities. The property involves Lot 15 of USS 1496 and the existing Tongass and Seward Avenues.
C. Public hearing and consideration of a conditional use permit filed by the City and Borough of Sitka for a landfill at the upper end of Granite Creek Road. The property is also known as a Portion of USS 5530 and a Portion of Lot 1, USS 3670.
D. Public hearing and consideration of four variance requests to reduce all four side setbacks to zero feet for construction of a home seaward of ATS 15 at 726 Siginaka Way. This request is filed by Dennis Hicks.
E. Public hearing and consideration of a variance request filed by Ken Dinsmore to reduce a side setback to zero feet for construction of a garage at 4274 halibut Point Road. The property is also known as Lot 4 of the Ryman Subdivision.
V. Planning Director's Report
VI. Public Business from the Floor
VII. Adjournment
Published; January 9, 11, 2006

LEGAL NOTICE
ASSEMBLY AGENDA
ASSEMBLY CHAMBERS
Centennial Hall - Maksoutoff Room - 330 Harbor Drive
Tuesday, February 28, 2006

WORK SESSION **6:00 p.m.**
Lands
REGULAR MEETING **7:00 p.m.**
I. CALL TO ORDER
II. FLAG SALUTE
III. ROLL CALL
IV. CORRESPONDENCE
Government-to-Government Update with Sitka Tribe of Alaska
V. PRESENTATIONS - Proclamation Recognizing Sandy Jones posthumously
VI. REQUESTS FOR AGENDA CHANGES
VII. CONSENT AGENDA
All matters under Item VI Consent Agenda are considered to be routine and will be enacted by one motion. There will be no separate discussion of these items. If discussion is desired, that item will be removed from the Consent Agenda and will be considered separately.
A. Approve the minutes of the February 14, 2006, assembly meeting.
B. Approve letter of invitation re: Sitka Family Justice Center
C. Appoint Kelly Ferguson to an unexpired term on the Health Needs and Community Services Committee. Appoint Gandolfo (Jay) Badagliacca to an unexpired term on the Local Emergency Planning Committee
D. Award City Hall Roof Replacement to CBS Construction in the amount of $219,607.
E. Approve three employee rewards (meter crew), under the City Rewards Program.
F. Approve Memorandum of Agreement with Sitka Tribe of Alaska for Indian Reservation Roads for IRR funding.
G. **Res. 2006-03:** In Support of the CBS to be the Host City for the 2007 Alaska Municipal League/Alaska Conference of Mayors combined Summer Meeting.
H. **Res. 2006-04:** In support of the CBS to be the Host City for the 2007 Alaska Municipal League Annual Conference.
I. **Ord. 2006-03:** Amending Subsection 1.24.040A of SGC to increase the enhanced 911 Surcharge amount from $.75 to $1.48 per month.
J. **Ord. 2006-04:** Adjusting the FY 2006 Budget for changes identified during the Second Quarter FY 2006 Formal Budget Execution Review.
K. **Ord. 2006-05:** Amending the SGC by repealing Chapter 9.08 Entitled "Refuse Collection and Disposal," and amending Chapter 15.06 entitled "Solid Waste Treatment and Refuse Collection" to consolidate Chapter 9.08 provisions as well as provide for an exemption from refuse collection services, tipping fees and charges at the transfer station, and for clarification and reorganization purposes.
L. **Ord. 2006-06:** Amending Title 22 Zoning of the Sitka General Code to make a number of clraifications and revisions.
VIII. PERSONS TO BE HEARD - Public Participation on Non-Agenda Items. (Not to exceed 3 minutes for any individual)
IX. SPECIAL MUNICIPAL/COMMITTEE/COMMISSION REPORTS
M. LRPED Update on Tourism Plan - Cleo Brylinsky
X. UNFINISHED BUSINESS:
N. Approve the relocation of electric facilities phase 2 of SMC Road upgrade project.
O. Approve items for affordable housing: 1) Advance $50K from SE AK Economic Development Fund and authorize the expenditure of up to that amount for hiring of consultants for an affordable housing project on 14-acre city owned Jarvis St. tract. 2) Place a condition on the sale of the Old City Shops Site that requires that the site be used for development of "affordable housing". 3) Advance $70,300 from SE AK Economic Development Fund and authorize expenditure of up to that for hiring of a housing planner to work directly with city administrator to manage Sitka municipal affordable housing strategy.
P. Statuses of the Thanksgiving Day 2005 storm claims regarding the land slide and flood issues (executive session).
XI. NEW BUSINESS:
Board of Adjustment
Q. Approve a Conditional Use Permit for Sitka Landfill
Reconvene
R. Select Assembly's Representative for the Employee Relations Board
XII. PERSONS TO BE HEARD - Any matter
XIII. REPORTS
a. Mayor
b. Administrator
c. Attorney
d. Liaison Representatives
e. Clerk
f. Other
XIII. ADJOURNMENT
Colleen Pellett, CMC
Municipal Clerk
Published: February 24, 2006

City and Borough of Sitka

100 Lincoln Street • Sitka, Alaska 99835

April 7, 2006

City and Borough of Sitka
Public Works Director, Rich Riggs
100 Lincoln St
Sitka, AK 99835

Dear Rich,

This letter is to inform you the Sitka Assembly approved the City and Borough of Sitka's request of a conditional use permit for operation of a landfill at the upper end of Granite Creek Road. This approval was granted at the February 28, 2006 Assembly meeting.

All work must be in general conformance with the plans that were approved by the Planning Commission and Assembly.

The permit must be activated within two years of the approval date, February 28, 2006, or the permit becomes void.

We appreciate your patience throughout this process and thank you for working with us on this matter. If you should have any questions, please feel free to contact me at 747-1814.

Sincerely,

Sara L. Russell
Planning Assistant

B2 OPERATING HOURS PERSONNEL AND EQUIPMENT

B2.1 Operating Hours

The SLF will not have regular operating hours and will remain closed until the CBS receives a request for its use by a resident of the CBS or a local contractor. When requests are made for its use, anticipated operating hours for SLF will be 9:00 a.m. until 3:00 p.m. Monday through Saturday.

B2.2 Operations Personnel

B2.2.1 Public Works Director

The Public Works Director has overall responsibility for all, administrative, and fiscal activities related to SLF. Specific activities for which the Public Works Director is responsible include personnel administration, work authorization, and financial management.

B2.2.2 Public Works Superintendent

Operations and activities at the SLF are performed under the direction of the Public Works Superintendent. The Public Works Superintendent's responsibility is to ensure that operations at the site are performed in accordance with the procedures outlined in this Plan of Operation, permits, regulations, and CBS policies and procedures.

The Public Works Director has overall responsibility for all operational, administrative, and safety programs conducted at the site. The Public Works Superintendent is responsible for functioning as the primary source of information regarding the overall operations of the facility and is directly in charge of all personnel and equipment involved in site operations. Responsibilities also include ensuring proper operational practices are being maintained, and that the site is operating in conformance with rules, regulations and permits.

B2.2.3 Environmental Superintendent

The Environmental Superintendent is responsible for monitoring the facility's compliance with applicable environmental requirements, and is responsible for performing a variety of technical and general duties. Duties include performing routine environmental monitoring activities,

including preparation of calculations, data management, and analysis of data based upon environmental monitoring plans.

B2.2.4 Equipment Operators

Equipment Operators (including the Public Works Superintendent) are responsible for the safe and efficient operation of heavy or specialized equipment used to operate the landfill. Principal duties performed by the equipment operators consist of the following:

- Waste screening and random load inspections
- Directing the unloading of waste at designated locations
- Operating equipment that spreads and compacts refuse at the active working face
- Placing and covering biosolids
- Placing cover soil over waste
- Keeping the unloading area clear and available for use

Equipment Operators perform under the direct supervision of the Public Works Superintendent.

B2.3 Personnel Training

Operating personnel will be trained by the Public Works Superintendent to recognize regulated dangerous waste and polychlorinated biphenyl (PCB) wastes. Annual internal training will also be conducted that will include an overview of the types of waste that can and cannot be accepted at the landfill.

The training will include recognition of typical indicators of regulated or dangerous wastes such as:

- Hazardous placards or markings
- Liquids
- Powders or dust
- Sludge
- Bright or unusual colors
- Drums or commercial size containers
- Chemical odors

PCBs are sometimes found in certain commercial and industrial sources. Personnel will be trained to look for the items.

B2.4 Landfill Operating Equipment

Landfill operating equipment will be provided by the CBS Public Works Department on an as needed basis. The types of equipment available for landfill operations include the following:

- Track-mounted dozers
- Rubber-tired loaders
- Excavators
- Water trucks
- Tub mill grinder

B3 ACCESS RESTRICTIONS

B3.1 Control of Public Access and Access Safety

Access to the SLF for disposal of inert waste and biosolids will be done initially by appointment. Users will be required to call the Public Works Superintendent 24 hours in advance of disposal. Users will be asked to estimate the volume of inert waste or biosolids they will be delivering and the amount of time that they will need to deliver and dispose of the waste. A time for disposal activities will then be established and equipment operators scheduled to receive, inspect, place and, if necessary, cover the waste.

B3.2 Site Signage

Signs posted at the entrance will guide facility users to the active disposal areas. Signs at the entrance will also indicate the types of waste accepted at the landfill and the types that are not accepted at the landfill. Contact names for personnel responsible for operating the landfill and emergency phone numbers will also be posted at the site entrance. Other signs will be posted defining access routes to the active disposal areas, speed limits and other site safety standards.

B3.3 Controlling Unauthorized Access and Traffic

Unauthorized access is restricted by a combination of an existing gate and naturally steep terrain. Signs labeled "No Trespassing" will be posted along the site perimeter at approximate 250- to 300-foot intervals.

Controlled access to the landfill is through a single entrance gate off of Harbor Mountain Bypass Road. This entrance gate will be kept locked at all times except those times when disposal activities are taking place.

Entrance to the landfill disposal areas may also include routes through the active quarries located adjacent to the SLF, but will be subject to approval of the quarry operators.

B3.4 Salvaging

Salvaging of waste for the purpose of recycling materials will be considered by the Public Works Director and Public Works Superintendent on a case-by-case basis. If salvaging is permitted it will be done at the SLF during a time when no other disposal operations are taking place, and

will be done in the presence of landfill operations personnel. A sort and salvage operation concept has been supported by the Solid Waste Implementation Team and may be implemented and administered by CBS at the facility.

B3.5 Preventing Illegal Dumping

Illegal dumping will be prevented by controlling access to the landfill. During disposal activities site operators will inspect loads of waste brought to the landfill. If restricted wastes are found they will be re-loaded and removed from the site. Additional information regarding waste restrictions is provided in Section B4.

B4 WASTE ACCEPTANCE AND RESTRICTIONS

B4.1 Quantity and Source of Waste Accepted

There or no restrictions on the quantity of inert waste or biosolids that can be disposed at SLF. However, based on historical records, annual volumes are not expected to exceed 5,000 cubic yards of inert waste, and 1,500 cubic yards of biosolids.

The maximum volume of MSW that can be accepted at SLF in any one year is 1,825 tons, which is equal to an average daily volume of 5 tons. Based on an average of 20 tons per day produced in Sitka, disposal of MSW could take place for approximately 90 days in any one year.

The source of all waste disposed at SLF is restricted to waste generated in the City and Borough of Sitka. No waste will be accepted from generators outside of the City and Borough of Sitka.

B4.2 Waste Restrictions

SLF cannot accept the following:

- Regulated dangerous or hazardous waste, as defined by the United States Environmental Protection Agency (USEPA) and the ADEC, generated by industrial or commercial sources.
- Liquid wastes.
- Radiation contaminated wastes.
- Asbestos or medical waste which is not properly containerized.

The USEPA defines hazardous waste in 40 CFR 261.2. These definitions include PCB wastes. PCBs can be found in the following commercial and industrial sources:

- Mineral oil and dielectric fluids from capacitors or transformers.
- Contaminated soil, dredged material, sewage sludge, rags, and other debris from a release of PCBs.
- Transformers and other electrical equipment containing dielectric fluids.

- Hydraulic machines.

PCBs can also be found in consumer wastes such as fluorescent ballasts, small capacitors, and electrical appliances. However, these wastes are not regulated as part of the Toxic Substances Control Act, so their disposal is not regulated. However, for the purpose of the SLF, these wastes will be diverted to the transfer station for disposal.

Sewage sludge (biosolids) can be accepted at SRL. Specific acceptance and disposal criteria for sewage sludge are provided in Section B6.

MSW can be accepted under conditions defined in Section B4.1 above and Section B7 of this Plan.

B4.2.1 Waste Oil

Waste oil will not be accepted at the SLF. A waste oil acceptance location is established at the Sawmill Cove Industrial Park (SCIP) Recycling Facility. Users of the SLF that bring waste oil for disposal at SLF will be stopped and directed to the SCIP Recycling Facility.

B4.2.2 Hazardous Waste

Hazardous waste will not be accepted at the landfill. Site operators will be trained to recognize and handle hazardous waste if it is brought to the SLF.

B4.2.3 Polluted Soil

Non-hazardous polluted soil will be accepted at SLF under the following conditions

- Approval by ADEC.
- Analytical work performed on the soil source that documents it is not hazardous and meets the criteria for acceptance at a Class III landfill.

The CBS may also use the SLF to stockpile and treat hydrocarbon contaminated soil to reduce their contaminant levels. Storage and treatment will begin only after notification and approval of the ADEC.

B4.3 Liquids Restrictions

For purposes of this section, "Liquid waste" means any waste material that is determined to contain "free liquids" as defined by Method 9095 (Paint Filter Liquids Test), as described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods," SW-846. Liquid waste will not be placed in SLF.

C2 SITE DESCRIPTION AND SITE ANALYSIS

C2.1 Site Location and Description

The SLF will be located in the in the CBS in southeast Alaska, which is approximately 90 miles southwest of the city of Juneau. Sitka is located in Alaska's Alexander Archipelago on Baranof Island in a region called Southeast Alaska on the Inside Passage waterway.

C2.1.1 Property Legal Description

A parcel of land located in the CBS, Alaska, lying within Lot 1, U.S. Survey 3670, the plat of which is on file in the Bureau of Land Management offices in Anchorage, Alaska, and also within Alaska State Land Survey No. 94-113, filed in the District Recorder's Office, Sitka Recording District, State of Alaska, as Plat Number 96-20, said parcel being more particularly described as follows:

Commencing at a point marked by a rebar and plastic survey cap which lies N62°00'W 40.00 feet from a point reportedly on the U.S. Survey 3670 boundary at a bearing of N28°00'E and distance of 865.47 feet from Corner 3, U.S. Survey 3670; thence S28°00'W 301.86 feet to a point on the proposed Granite Creek Landfill and Phase I Inert Waste Disposal Area boundary, said point being the true point of beginning of this description (Note: this course and all following courses utilize as a Basis of Bearings a line from the above noted rebar and plastic survey cap to an aluminum capped monument set by G. Crane at a distance of 190.13 feet and at a reported bearing of N28°00'E); thence continuing along the proposed landfill boundary and Phase I Inert Waste Disposal Area boundary N65°36'23"E 189.26 feet to a point marked by a rebar and aluminum survey cap; thence continuing N65°36'23"E 433.45 feet to a corner common to the proposed Phase I Inert Waste Disposal Area and the Active Quarry area; thence continuing along the proposed landfill and Active Quarry boundary N58°10'E 698.00 feet; thence N47°16'06"W 274.56 feet; thence S67°49'W 160.00 feet; thence S87°43'W 420.00 feet; thence N62°00'W 145.00 feet; thence S71°24'20"W 27.31 feet to the common corner between the proposed Active Quarry area and Phase I Inert Waste Disposal Area; thence continuing along the proposed landfill boundary and Phase I Inert Waste Disposal Area boundary S71°24'20"W 279.38 feet; thence S27°52'52"W 106.01 feet to a point marked by a rebar and aluminum cap; thence S27°52'52"W 422.59 feet to a point marked by a rebar and aluminum cap; thence S20°50'E 15.56 feet to the common corner between the Phase I Inert Waste Disposal Area and the proposed Biosolids Disposal Area; thence continuing along the proposed landfill boundary and Biosolids Disposal Area boundary S71°43'50"W 307.19 feet; thence S28°00'W 553.87 feet; thence S62°00'E 173.08 feet; thence N 83°13'29"E 191.05 feet; thence N28°00'E 339.05 feet; thence N69°10'E 169.34

feet to point marked by a rebar and aluminum cap at the common corner between the proposed Biosolids Disposal Area and the Phase I Inert Waste Disposal areas; thence N69°10'E 172.79 feet, more or less, to the true point of beginning, containing 897,129 square feet (20.595 acres), more or less.

C2.2 Population Served By Landfill

The population of the CBS is approximately 8,900, according to the 2005 Community Profile for Sitka (Sitka Economic Development Association, 2005).

C2.3 Site Classification

The site will be classified as a Class III MSW landfill (MSWLF) in accordance with the requirements of 18 AAC 60.300.(c) because it is considered to be small, rural, and remote and will accept less than 5 tons of MSW per day (on an annual average), and because it is not connected by road to a Class I landfill, which is a large landfill facility that accepts more than 20 tons of waste daily and must meet special requirements for liners, leachate collection, methane gas monitoring, and water quality sampling. To qualify as a Class III landfill, a community that is connected to a road system that is maintained year-round must be located more than 50 miles from a Class I landfill (18 AAC 60.300(c)(3)).

C2.4 Site Analysis

C2.4.1 Climatic Conditions

Sitka, Alaska is located in southeastern Alaska and is considered to be located in the maritime climatic zone. This area experiences a mean annual temperature range from the low 40s (Fahrenheit) to mid 60s with an average rainfall of over 86 inches and snowfall of over 39 inches annually with moderate humidity levels.

C2.4.2 Surface Water Conditions

The site is located just south of the Granite Creek, which runs parallel to the length of the proposed facility. Upslope run-on/runoff controls will be improved and added to minimize the volume of stormwater reaching the proposed waste disposal area. This run-on/runoff will be directed into the Granite Creek.

C2.4.3 Geologic and Hydrogeologic Conditions

C2.4.3.1 Regional Geology

The geology of Sitka and the surrounding area has been adapted from work by David A. Brew (1995). Sitka and the surrounding area lie in a northwest trending belt of rocks that belong to the

Chugach Terrane. The Chugach Terrane is one of 5 terranes in southeast Alaska that contain apparently distinct geologic records and one of the 10 tectonic assemblages that make up southeast Alaska. Chugach Terrane is divided into the Sitka Graywacke and the Kelp Bay Group. The Kelp Bay Group is subdivided into an amphibolite derived from the Kelp Bay Group and a mélange facies. Many of the terranes and rock types in the region around Sitka are separated by faults. These groups are described below:

- **Sitka Graywacke.** The Sitka Graywacke is a strongly deformed but coherent assemblage of flyshoidal greywacke, argillite and slate of late Cretaceous age. A small mass of diorite of possible Jurassic age occurs approximately 1½ miles east of Sitka within the Sitka Graywacke. Approximately 2 miles northeast of Sitka, the Sitka Graywacke lies in fault contact with the mélange facies of the Kelp Bay Group.

- **Mélange facies**. The mélange facies is a deformed and disrupted assemblage (mélange) composed of blocks of basic volcanic rocks, radiolarian chert, ultramafic rocks, limestone, and plutonic rocks in a matrix of cherty tuffaceous argillite. Along this contact and within the mélange facies are masses of amphibolite up to one-mile long.

- **Amphibolite.** Amphibolites are medium- to coarse-grained metamorphic rocks composed chiefly of hornblende and plagioclase, with schistosity derived from parallel arrangement of the hornblende prisms. Amphibolites are products of regional medium-to-high grade metamorphism. Greenschist- to amphibolite-facies regional metamorphism overprints local remnants of blueschist-facies metamorphism in the Chugach Terrane. The amphibolites generally occur as isolated masses throughout the mélange facies.

C2.4.3.2 Site Geology

The rocks that underlie Sitka belong to the Sitka Graywacke. Descriptions of the site geology are based on rock samples, photographs, and information gathered from a quarry located between Granite Creek (to the north) and Harbor Mountain Road (to the south) by an EMCON environmental scientist during a site visit in April 2005. The predominant rock type in the quarry is quartz or feldspathic greywacke, which has been weakly metamorphosed. The greywacke is dark greenish gray, locally very dark gray to black, and most of the grains are equigranular and less than 1/16-inch in diameter. Approximately one-third of the grains are black, one-third are white, and one-third of the rock is a fine-grained, greenish-gray matrix formed from recrystallization of mineral grains. Hand specimens contain numerous small planar white quartz veins up to ¼-inch thick. The rock is hard and weakly weathered with iron oxide staining on the fracture faces. Based on photographs of the quarry faces, the rock appears to be slightly to intensely fractured.

Supporting documentation regarding site geology is provided in Attachment 2.

configuration of MSW is based on accepting the maximum volume of MSW allowed in one year (1,825 tons).

Drawing C-7 shows trenches that will be developed in the biosolids disposal area during the first five years of biosolids disposal.

The waste configuration grades for inert waste and MSW disposal will have slopes no steeper than 3H:1V and no flatter than five percent. The waste configuration grades for the biosolids area will be as shown on Drawing C-5.

C3.5 Facility Design

C3.5.1 Site Visibility

The site is not visible from the City of Sitka or any known residence near the site along Halibut Point Road. The site is only visible from its entrance road (Harbor Mountain Road, from Granite Creek Road at a point where Granite Creek road enters the quarry operation and is marginally visible from a local driving range.

C3.5.2 Estimated Volume and Source of Each Waste Type Accepted

There are no restrictions on the quantity of inert waste or biosolids that can be disposed of at the SLF. However, no more than 2,500 gallons of biosolids can be placed in any one trench in a given day.

The volume of inert waste disposal at SLF is expected to be approximately 5,000 cubic yards per year.

The CBS expect to co-dispose of an average of 15 cubic yards (approximately 3,035 gallons) of biosolids two days per week at the SLF. This daily volume exceeds 18 AAC 60.395 requirements that state that *"The owner or operator of a Class III MSWLF may dispose of up to 2,500 gallons of septage per day in trenches at the landfill"*. The CBS interpret this regulation to mean an average daily volume. Since the CBS will only dispose biosolids at SLF two days per week, their average daily volume assuming disposal can take place 365 days per year is approximately 867 gallons per day, which is well below the 2,500 gallon maximum.

An area of the landfill has been designated for disposal of MSW such that in any one year CBS can dispose of 1,825 tons of MSW. This area is provided primarily for events when off-island disposal is interrupted.

The source of all waste disposed of at SLF is restricted to waste generated in the CBS. The facility will not be accepting waste from generators outside the CBS.

3670

Granite Creek
Industrial Area

Driving
Range

CBS Electrical
Department
Pole Storage

GRANITE CREEK

Golf Course
Lease
Tract

Halibut Point
State Recreation
Area

2-5748-000
Lot 4
1,850 s.f.
S-58

2-5740-003
Lot 3
18,118 s.f.
S-369

2-5740-002
Lot 2
18,118 s.f.
S-369

2-5740-001
Lot 1
27,377 s.f.
S-389

2-5735-003
Lot 2A
10,623 s.f.
S-374

2-5735-004
Lot 2B
10,623 s.f.
S-374

2-5735-002
Lot 1
27,314 s.f.
S-347

2-5735-001
Lot 1
19,983 s.f.
S-256

2-5725-000
Lot 2
61,322 s.f.
M-185

2-5721-000
Lot 25A
14,500 s.f.
S-170

2-5722-000
Lot 25B
21,815 s.f.
S-170

2-5720-000
Lot 25C
19,175 s.f.
S-170

2-5717-002
Tract 2, Plat Lot 24
14,221 s.f.
U.S.S. 3481

2-5717-000
Tract 1, Plat Lot 24
9,388 s.f.
U.S.S. 3481

2-5715-001
Lot 1
9,376 s.f.
S-142

2-5710-002
Lot 2
10,800 s.f.
S-373

2-5710-001
Lot 1
14,467 s.f.
S-373

2-5709-002
Lot 2
41,341 s.f.
M-197

2-5709-003
Lot 3
20,000 s.f.
M-197

2-5709-001
Lot 1
7,127 s.f.
M-197

2-5705-004
Lot 4
11,658 s.f.
S-488

2-5705-003
Lot 3
12,333 s.f.
S-488

2-5705-002
Lot 2
13,008 s.f.
S-488

2-5705-001
Lot 1
23,759 s.f.
S-488

2-5697-000
Lot 20C
13,582 s.f.
Wilson HPR

2-5695-000
Lot 20B
11,680 s.f.
Wilson HPR

2-5690-000
Lot 19
39,368 s.f.
U.S.S. 3418

2-5685-000
Lot 18
50,022 s.f.
U.S.S. 3317

2-5680-000
Lot 17
61,572 s.f.
U.S.S. 3317

2-5678-001
Lot 4
24,750 s.f.
S-263

2-5678-000
Lot 2
11,882 s.f.
S-263

2-5677-000
Lot 1
11,882 s.f.
S-263

2-5676-000
Lot 1
11,268 s.f.
Wistrel

2-5675-000
Lot 1
18,000 s.f.
S-263

2-5702-000
Lot 21B
17,420 s.f.
S-29

2-5700-000
Lot 21A
17,095 s.f.
S-29

2-5730-000
Lot 27
5,963 s.f.
U.S.S. 3481

2-5685-002
Lot 20D
11,268 s.f.
Wilson HPR

2-5666-001
Lot 1
28,819 s.f.
S-476

2-5666-002
Lot 2
7,347 s.f.
S-476

2-5669-001
Lot 3
11,011 s.f.
S-476

2-5665-002
Lot 2
20,578 s.f.
S-448

2-5665-001
Lot 1
34,140 s.f.
S-448

2-5660-004
Lot 4
16,156 s.f.
M-328

2-5660-003
Lot 3
15,157 s.f.
M-328

2-5660-002
Lot 2
15,157 s.f.
M-328

2-5660-001
Lot 1
27,594 s.f.
M-328

2-5670-003
Lot 3
14,913 s.f.
S-356

2-5670-002
Lot 2
14,913 s.f.
S-356

2-5670-001
Lot 1
16,579 s.f.
S-356

2-5652-000
Lot 3
16,500 s.f.
M-89

2-5651-000
Lot 2
11,762 s.f.
M-89

2-5657-000
Plat Lot 12
37,125 s.f.
U.S.S. 3317

2-5646-000
Lot 7
33,000 s.f.
M-89

2-5648-000
Lot 10B
16,500 s.f.
S-110

2-5645-000
Lot 1
14,850 s.f.
M-154

2-5647-000
Lot 2
16,852 s.f.
M-154

2-5638-000
Lot 3
16,500 s.f.
S-60

2-5639-000
Lot 4
16,500 s.f.
S-60

2-5653-000
Lot 4
2,513 s.f.
M-89

2-5650-000
Lot 1
8,456 s.f.
M-89

2-5653-001
Lot 5
10,725 s.f.
M-89

2-5654-000
Lot 6
10,725 s.f.
M-89

2-5640-000
Lot 3
10,665 s.f.
S-60

2-5635-001
Lot 1
13,065 s.f.
M-60

2-5635-000
Lot 2
10,240 s.f.
M-60

2-5627-000
Lot 0
40,329 s.f.
S-396

2-5608-000
Lot 7
8,194 s.f.
S-224

2-5635-003
Lot 1
17,038 s.f.
S-172

2-5639-002
Lot 2
7,650 s.f.
U-60

2-5637-000
Lot 1
16,500 s.f.
S-60

2-5649-000
Lot 10C
24,750 s.f.
S-110

2-5636-000
Lot 1
16,500 s.f.
S-60

SEE SHEET "HPR 04"

- PLATTED RIGHT-OF-WAY NOT CONSTRUCTED

MSD - UNRECORDED MINOR SUBDIVISION

REVISIONS

NO.	DATE	DESCRIPTION
1	4.3.20	FIRST REVIEW BY AGENCY

CITY & BOROUGH OF SITKA

nd Borough of Sitka

URVEY OF PUBLIC WORKS

Driving Range

Stock

Golf Course Lease Tract

CBS Electrical Department Pole Storage

Tank

U.S.S. 3806

HARBOR MOUNTAIN RD

GRANITE CREEK

SEE SHEET "HPR 05"

2-5636-000 Lot 1 16,500 s.f. S-60

2-5637-000 Lot 2 16,500 s.f. S-60

2-5638-000 Lot 3 16,500 s.f. S-60

2-5639-000 Lot 5 10,684 s.f. S-60

GRANITE CREEK ROAD

2-5635-003 Lot 1 17,008 s.f. S-372

2-5628-000 Lot 7A 8,194 s.f. S-227

2-5635-002 Lot 2 7,650 s.f. M-80

2-5635-001 Lot 1 13,005 s.f. M-80

2-5627-000 Lot D 40,272 s.f. S-396

2-5625-003 Lot C 12,280 s.f. S-396

2-5625-002 Lot B 21,200 s.f. S-396

2-5625-001 Lot A 17,020 s.f. S-226

2-5620-000 Lot 5 72,765 s.f. U.S.S. 3317

2-5615-000 Lot 4 59,388 s.f. U.S.S. 3317

Sea 'n Ski Trailer Court

2-5610-000 Lot 2 80,868 s.f. S-447

HALIBUT POINT ROAD

SHULER DR.

2-5571-004 Lot 13 8,974 s.f. M-50

2-5571-003 Lot 12 8,859 s.f. M-50

2-5571-005 Lot 14 10,571 s.f. M-50

2-5571-006 Lot 15 9,801 s.f. M-50

2-5571-002 Lot 11 9,686 s.f. M-50

2-5571-001 Lot 10 10,482 s.f. M-50

2-5570-009 Lot 9 6,550 s.f. M-50

2-5570-007 Lots 7 & 8 14,206 s.f. M-50

HARBOR MOUNTAIN RD

2-5605-000 Lot 11 11,169 s.f. S-447

2-5570-061 Lot 6A 10,249 s.f. S-208

2-5570-062 Lot 6B 9,985 s.f. S-208

2-5570-005 Lot 5 13,090 s.f. M-50

2-5570-004 Lot 4 12,357 s.f. M-50

2-5570-003 Lot 3 13,634 s.f. M-50

2-5570-002 Ptn Lot 2 7,886 s.f. M-50

2-5570-001 Lot 1 Ptn Lot 2 11,888 s.f. M-50

2-5560-006 Lot 6 12,143 s.f. M-235

2-5560-007 Lot 7 9,664 s.f. M-235

2-5560-008 Lot 8 10,193 s.f. M-235

2-5560-009 Lot 9 11,274 s.f. M-235

2-5560-010 Lot 10 11,618 s.f. M-235

2-5560-011 Lot 11 9,542 s.f. M-235

2-5560-012 Lot 12 8,293 s.f. M-235

TOIVO CIRCLE

2-5560-005 Lot 5 10,994 s.f. M-235

2-5560-004 Lot 4 10,962 s.f. M-235

2-5560-003 Lot A 8,000 s.f. S-506

2-5560-002 Lot B 11,008 s.f. S-506

2-5560-001 Lot 1 9,543 s.f. M-235

2-5558-000 Lot 4 6,296 s.f. S-192

2-5557-000 Lot 3 9,941 s.f. S-192

2-5556-000 Lot 2 8,523 s.f. S-192

2-5555-001 Lot 1 8,150 s.f. S-192

2-5554-001 Lot 1 8,090 s.f. M-152

2-5554-002 Lot 2 8,090 s.f. M-152

2-5554-003 Lot 3 8,090 s.f. M-152

2-5554-004 Lot 4 9,305 s.f. M-152

2-5552-003 Lot 3 10,795 s.f. S-353

2-5552-004 Lot 4A 19,415 s.f. S-424

2-5552-001 Lot 1A 45,171 s.f. S-424

2-5552-002 Lot 2 8,310 s.f. S-353

2-5548-000 Lot 4 10,000 s.f. S-201

2-5547-000 Lot 3 10,000 s.f. S-201

2-5545-001 Lot 1 10,331 s.f. S-201

2-5540-002 Lot 1 22,000 s.f. S-280

2-5540-001 Lot 1 8,628 s.f. M-24

2-5540-004 Lot 4 & Ptn Lot 3 13,886 s.f. M-24

2-5540-005 Lot 5 7,360 s.f. M-24

2-5540-006 Lot 6 8,000 s.f. M-24

2-5540-007 Lot 7 8,000 s.f. M-24

2-5540-008 Lot 8 8,000 s.f. M-24

2-5540-009 Lot 9 7,494 s.f. M-24

2-5540-010 Lot 10 8,186 s.f. M-24

DARRIN DRIVE

2-5540-016 Lot 16 7,509 s.f. M-24

2-5540-015 Lot 15 7,552 s.f. M-24

2-5540-014 Lot 14 7,552 s.f. M-24

2-5540-013 Lot 13 7,552 s.f. M-24

2-5540-012 Lot 12 7,494 s.f. M-24

2-5540-011 Lot 11 8,186 s.f. M-24

2-5540-017 Lot 17 8,933 s.f. M-24

2-5540-020 Lot 20 10,203 s.f. M-24

2-5540-021 Lot 21 11,623 s.f. M-24

2-5540-022 Lot 22 15,456 s.f. M-24

2-5531-002 Lot 23B 13,426 s.f. S-139

2-5530-002 Lot 24B 14,143 s.f. S-139

2-5540-018 Lot 18 8,554 s.f. M-24

2-5540-019 Lot 19 8,523 s.f. M-24

DARRIN WAY

2-5537-000 Lot 2 & Ptn Lot 1 15,529 s.f.

2-5536-000 Lot 1 9,900 s.f. S-138

2-5533-000 Ptn Lot 27 7,925 s.f. U.S.S. 2420

2-5531-001 Lot 23A 9,180 s.f. S-139

2-5530-001 Lot 24A 9,188 s.f. S-139

2-5600-000 Lot 1 5,872 s.f. S-20

2-5599-000 Lot 2 5,719 s.f. S-20

2-5600-005 Lot 2 7,138 s.f. UN-3

2-5601-000 Lot 3 12,502 s.f. UN-3

2-5601-005 Lot 4 12,885 s.f. UN-3

2-5602-000 Lot 5 11,283 s.f. UN-3

2-5602-005 Lot 6 9,637 s.f. UN-3

2-5603-000 Lot 7 8,925 s.f. UN-3

2-5603-005 Lot 8 5,727 s.f. UN-3

2-5604-000 Lot 9 9,654 s.f. UN-3

2-5604-005 Lot 10 9,446 s.f. UN-3

2-5580-005 Lot 5 8,173 s.f. S-496

2-5580-004 Lot 4 10,719 s.f. S-496

2-5580-003 Lot 3 10,889 s.f. S-496

2-5580-002 Lot 2 8,222 s.f. S-496

2-5580-001 Lot 1 21,352 s.f. S-496

HAVEN LANE

2-5597-000 Lot 3 6,270 s.f. S-52

2-5596-000 Lot 2 7,700 s.f. S-52

2-5595-000 Lot 1 10,687 s.f. S-52

Halibut Point State Recreation Area

SITKA