

## NOTICE

The Materials Source data and information included in this file has been gathered and compiled for the express purpose of assisting in The Alaska Department of Transportation and Public Facilities during the design process of various projects. It does not signify that the source is available or suitable for use during the construction of any specific current or future project. The included data and information does not determine that this Materials Source will provide suitable materials in the required quantities for any construction project.

The included data and information is suitable for use *by experienced and qualified experts in the fields of geology, geological engineering, and geotechnical engineering* to make reasonable estimates regarding the quantity, quality, and suitability for construction purposes of material that can be produced from the source.

Sources intended for use for any specific construction project will be referenced in the appropriate section of the Plans and Specifications of the Contract Documents for that construction project.

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**STATE OF ALASKA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINING, LAND AND WATER**

Northern Region  
3700 Airport Way  
Fairbanks, AK 99709  
(907) 451-2740

Southcentral Region  
3601 C Street, Suite 1080  
Anchorage, AK 99503  
(907) 269-8552

Southeast Region  
400 Willoughby, #400  
Juneau, AK 99801  
(907) 465-3400

**NEGOTIATED MATERIAL SALE CONTRACT RENEWAL  
ADL 408733**

Effective Date: January 1, 1999

Expiration Date: December 31, 2009

Under AS 38.05.110-38.05.120 (Disposal of Timber and Materials), AS 38.05.125, as 38.05.810(a) and the regulations implementing these statutes, the **State of Alaska**, the SELLER, agrees to sell, and, the BUYER, **Alaska Department of Transportation and Public Facilities**, agrees to buy the material designated in this contract, subject to the provisions which follow:

**1. Description: Location, Material, Quantity, and Price.**

(a) The material sale area covered by this contract consists of approximately 13.18 acres. This area is designated by the boundaries shown on the attached sale area map, which is made part of this contract, or as designated on the ground by the seller, and described as follows:

MS 52-2-051-2 located within the SW1/4 Section 36, Township 13 South, Range 7 West, Fairbanks Meridian; Tract D, ASLS 83-194.

(b) The material to be removed and the prices are:

<u>Kind of Material</u>	<u>No. of Units</u>	<u>Unit Price</u>	<u>Total Price</u>
sand & gravel	50,000 CY	*	*

\* 11 AAC 05.010(e)(16) requires state, federal, and local agencies to pay for materials used in constructing, reconstructing, or maintaining a public project as follows: 1) no charge for the first 5,000 CY of material to be used on a project (each year of maintenance constitutes a separate project) and 2) material in excess of 5,000 CY will be charged for at the unit price listed in the annual base price schedule established under 11 AAC 71.090 (currently \$0.50/CY).

**2. Payments and Deposits.** No part of the materials sold under this contract may be extracted from the sale area by the buyer except in accordance with the following terms:

(a) Initial Payment. **NA.** The buyer will remit an initial payment in the amount of **NA** (consistent with 11 AAC 71.045) at the time the contract is signed.

(b) Application of Initial Payment. **NA.** The seller will retain on deposit the initial payment required by paragraph 2(a), to be applied in whole or in part to the final payment which becomes due under this contract. Additional periodic installment payments as required in paragraph 2(c) of this section must be made for material extracted as of the date payment becomes due but may not exceed the total purchase price.

(c) Annual Payments. Annual accounting and annual payments for material extracted must be made by ADOT&PF no later than thirty (30) days following December 31 of each year as long as the contract is in force. If accounting and payments are made by a contractor of the DOT/PF, it must be received no later than 30 days following job completion in any one year. These payments are to be based on records required by Section 3 of this contract, and must be submitted to the seller no later than the fifth working day following the date the installment payment is due.

(d) Final Payment. A final accounting and payment for material removed, and a completion statement must be submitted by ADOT&PF no later than thirty (30) days following contract completion, expiration, termination, or by operation of the law. Final accounting payment made by a contractor of ADOT&PF must be received no later than thirty (30) days following job completion. Whether completion is satisfactory will be decided by the Director of the Division of Mining, Land and Water within ninety (90) days after receiving the final accounting report and completion statement.

(e) Reappraisal. **NA.** The unit price is subject to reappraisal under 11 AAC 71.090(f) by the seller every two years for the period that this contract is in force.

(f) Suspension for Non-Payment. If the buyer fails to make a payment provided for in this contract, the seller may, under Section 8(b) of this contract, order all material extraction suspended immediately. Materials extracted by the buyer during any period of suspension are considered taken in trespass and are to be charged to and paid for by the buyer at triple the unit contract price or at triple the reappraised price if a reappraisal has been made under Section 2(e) of this contract. Resumption of the lawful taking of materials may be authorized, in writing, by the Division of Mining, Land and Water only after the payments in arrears plus the penalty provided for in Section 2(g) have been made.

(g) Late Payment Penalty. **NA.** The greater of either the fee specified in 11 AAC 05.010 or interest at the rate set by AS 45.45.010(a) will be assessed on a past-due account until payment is received by the seller.

(h) All payments and deposits are remitted to the Department of Natural Resources, Division of Mining, Land and Water, Northern Regional Office, 3700 Airport Way, Fairbanks, AK 99709 (PH# 907-451-2740), payable to the Alaska Department of Revenue.

(i) **NA.** If the total amount of materials covered by this contract is not extracted, the money on deposit may become forfeited in the seller's discretion as liquidated damages in an amount not to exceed the seller's total entitlement under this contract, or the seller will receive the measure of actual damages to the seller, at the seller's election.

(j) Special Provisions. NONE

### **3. Method of Volume Determination.**

(a) Volume Determination. The method of volume determination for purposes of payment under this contract is either based on: 1) a loose cubic yard quantity as determined by an "in-place" measurement multiplied by a factor of 1.3; 2) stockpile survey in cubic yards; 3) cubic yard estimates obtained by daily vehicle counts; 4) conversion of weight to cubic yards.

(b) Records. The buyer will keep accurate and up-to-date records of all materials extracted. These records are subject to verification by check measure and inspection of the buyer's books by the seller at any time without notice.

(c) Submission of Annual/Final Accounting Records. ADOT&PF will submit annual/final accounting records, along with payments, no later than thirty (30) days following December 31 of each year. If annual/final accounting records, along with payments, are made by a contractor of the ADOT/PF, it must be received no later than thirty (30) days following job completion in any one year. The ADOT/PF, or the ADOT/PF's agent, employee, contractor,

subcontractor must be identified, as well as the cubic yard quantity used, designated by location, type of use, and date used.

(d) Quantity Conversion. Material quantity measured on a ton basis must be converted to cubic yards (CY). The conversion factor is 1.6 tons/CY, unless another figure is supplied by an engineer, which is based upon tests performed at the material source. In this case, an average of 5 density measures will be taken throughout the use of the material site.

#### **4. Operating Requirements.**

(a) Boundary Lines and Survey Monuments. No boundary mark of the sale area nor any survey line or witness tree for any survey corner or monument, may be severed or removed, nor may any survey corner or monument be damaged or destroyed. Any violation of this clause requires the buyer to bear the expense of reestablishing the line, corner, or monument by a registered surveyor in a manner approved by the seller.

(b) Standard of Operations. The buyer will properly locate himself and his improvements within the sale area, and may not commit waste, whether ameliorated or otherwise. In addition to complying with all laws, regulations, ordinances, and orders, the buyer will maintain the land in a reasonably neat and clean condition, and will take all prudent precautions to prevent or suppress grass, brush, or forest fires, and to prevent erosion or destruction of the land.

(c) Erosion Control and Protection of Waters. Road construction or operations in connection with this contract must be conducted so as to avoid damage to streams, lakes, or other water areas and land adjacent to them. Vegetation and Materials may not be deposited into any stream or other water area. Locations and improvements necessary for stream crossings for haul roads must be approved in advance by the seller. All roads to be abandoned must be treated with measures necessary to prevent erosion in a manner acceptable to the seller. Any damage resulting from failure to perform these requirements must be repaired by the buyer to the satisfaction of the seller. This includes waters defined in 5 AAC 95.010, Protection of Fish and Game Habitat.

(d) Fire Protection. The buyer will take all necessary precautions for the prevention of wild fires and is responsible for the suppression, and must bear the suppression costs, of all destructive or uncontrolled fires occurring in or outside the sale area resulting from any of the buyer's operations under this contract. The buyer will comply with all laws, regulations, and ordinances promulgated by all governmental agencies responsible for fire protection in the area.

(e) Roads. Before constructing any mainhaul, secondary or spur roads across state land, the buyer will obtain written authorization from the seller.

(f) Supervision. The buyer will maintain adequate supervision at all times when operations are in progress to ensure that the provisions of this contract and all applicable federal, state, and local laws, regulations, and ordinances governing the operations are enforced. At all times when operations are in progress, the buyer or a person authorized by him to assume the responsibilities imposed by this contract, will be present on the sale area.

(g) Agents. The provisions of this contract apply with equal force upon an agent, employee, or contractor designated by the buyer to perform any of the operations relating to extraction of the materials sold under this contract. The buyer is liable for noncompliance caused by any such agent, employee, or contractor.

(h) Location. The buyer is responsible for the accurate location of operations under this contract, including any survey that may be necessary for accurate location, unless otherwise specified in this contract.

(i) Access. The seller makes no representations that it will construct or maintain access to the land. Access over any route not under the seller's control is the responsibility of the buyer. The buyer agrees that any permanent access or right-of-way obtained over privately owned property will provide a permanent easement to the seller.



(j) Special Provisions. The following special provisions also apply to operations under this contract:

- 1) Authorized Representative. The Authorized Representative for the Department of Natural Resources is the Northern Regional Manager of the Division of Mining, Land and Water. The Authorized Representative may be contacted at 3700 Airport Way, Fairbanks, Alaska 99709, or (907) 451-2740. The Authorized Representative reserves the right to modify these stipulations or use additional stipulations as deemed necessary.
- 2) Extraction Area. This contract authorizes removal of material only from the area defined in Section 1(a) of this contract. The buyer is responsible for properly locating the material site and the working limits within that area, as shown on the attached map.
- 3) Mining and Reclamation Plan. No material removals are authorized under this contract unless in accordance with the approved Mining and Reclamation Plan Guidelines and the Special Provisions of the contract. The Special Provisions shall take precedence over the approved plan should there be a contradiction between said plan and the Special Provisions of the contract. If a multiyear mining and reclamation plan has not been developed for this site, a plan shall be submitted and approved prior to commencing any major development/construction project. Road maintenance may require material removal on an as-needed basis, which will not involve any major site development. A final plan shall be submitted and approved prior to vacating the material site.
- 4) Site Operations. The ADOT/PF is responsible for all aspects of material extraction and transport. Any survey stakes or markers that are removed must be replaced at the ADOT/PF's expense. The work area will be maintained after each use in a graded, neat, clean condition, free of any solid waste, debris or litter. The disposal of hazardous substances or hydrocarbons is prohibited. After completion, expiration, or termination of the contract, the site will be left in a condition that is acceptable to the Division of Mining, Land and Water.
- 5) Reclamation. Upon expiration, project completion, or termination of the contract, the site shall be reclaimed in accordance with the attached Mining and Reclamation Plan Guidelines. Reclamation may include re-contouring and smoothing slopes, back-filling holes, removing berms, restructuring drainage, providing for the adequate installation of drainage structures, repairing access roads or trails to and/or within the site, disposing of remaining stockpiles, replacing overburden, providing for natural or re-vegetation by cultivation, and other procedures that will be used to stabilize and reclaim the area, including blending the boundaries into the natural landscape of the area, and any other site specific measures that may be necessary, or agreed upon.
- 6) Alaska Historic Preservation Act. The buyer will consult the Alaska Heritage Resources Survey (907) 269-8721 so that known historic, archaeological and paleontological sites may be avoided.

The Alaska Historic Preservation Act (AS 41.35.200) prohibits the appropriation, excavation, removal, injury, or destruction of any state-owned historic, prehistoric (paleontological) or archaeological site without a permit from the commissioner. Should any sites be discovered during the course of field operations, activities that may damage the site will cease and the Office of History and Archaeology in the Division of Parks and Outdoor Recreation (907) 269-8721 and will be notified immediately.

- 7) Wastewater Disposal. Disposal of wastewater from any operation associated with this authorization must satisfy the requirements of the Alaska Department of Environmental Conservation.
- 8) Vehicle Maintenance. Vehicle maintenance will be performed only over an effective impermeable barrier.
- 9) Fuel and Hazardous Substances. No fuel or hazardous substances are to be stored on the subject land. Prior written approval from an Authorized Representative of the Division of Mining, Land and Water is required for a change in this restriction. Such approval may include additional stipulations and a change in the amount required for the performance guaranty.

10) Notification. The contract holder shall immediately notify DNR and DEC by phone of any unauthorized discharge of oil to water, any discharge of hazardous substances (other than oil), and any discharge of oil greater than 55 gallons on land. All fires and explosions must also be reported.

The DNR 24 hour spill report number is (907) 451-2678; the Fax number is (907) 451-2751. The DEC spill report number is (800) 478-9300. DNR and DEC shall be supplied with all follow-up incident reports.

**5. Indemnity of Seller.** The buyer will indemnify and hold the seller harmless from: (1) all claims and demands for loss or damage, including property damage, personal injury, wrongful death, and wage or employment claims, arising out of or in connection with the use or occupancy of the land or operations by the buyer or his successors, or at his invitation; (2) any accident or fire on the land; (3) any nuisance on the land; (4) any failure of the buyer to keep the land in a safe and lawful condition consistent with applicable laws, regulations, ordinances, or orders; and (5) any assignment, sublease, or conveyance, attempted or successful, by the buyer which is contrary to the provisions of this contract. The buyer will keep all goods, materials, furniture, fixtures, equipment, machinery, and other property on the land at sole risk, and will hold the seller harmless from any claim of loss or damage to them by any cause.

**6. Bonding. NA.** At the seller's discretion, a buyer may be required to file a bond designed to ensure the buyer's performance and to help protect the seller against any liability that may arise as a result of the activities of the buyer. A bond acceptable to the seller in the amount of **NA** (11 AAC 71.095) must be filed with the seller at the time of execution of this contract to ensure the buyer's performance and financial responsibility.

**7. Improvements and Occupancy.**

(a) Any improvements or facilities including crushers, mixing plants, buildings, bridges, roads, etc., constructed by the buyer in connection with this sale and within the sale area must be in accordance with plans approved by the seller.

(b) The buyer must, within 60 days after contract completion or termination of the contract by the seller or by operation of law, remove equipment and other personal property from the sale area. After removal, the buyer must leave the land in a safe and clean condition which is acceptable to the seller. If the buyer can demonstrate undue hardship, the time for removal of the improvements under this paragraph may be extended at the seller's discretion.

(c) If any of the buyer's property having an appraised value in excess of \$10,000, as determined by the seller, is not removed within the time allowed, that property may, upon 30 days notice to the buyer, be sold at a public auction under the direction of the seller. The proceeds of the sale will inure to the buyer after satisfaction of the expense of the sale and deduction of all amounts then owed to the seller. If there are no other bidders at the sale, the seller may bid on the property, and the seller will acquire all rights, both legal and equitable, which any other purchaser could acquire through a sale and purchase.

(d) If any of the buyer's property having an appraised value of \$10,000 or less, as determined by the seller, is not removed within the time allowed, title to that property automatically vests in the seller.

(e) Special Provisions. NONE

**8. Inspection.**

(a) The seller must be accorded access, at all times, to the sale area and to the books and records of the buyer, his contractors, and any subcontractor relating to operations under this contract for purposes of inspection to assure the faithful performance of the provisions of this contract and other lawful requirements.

(b) At all times when construction or operations are in progress, the buyer will have a representative readily available to the area of operations who is authorized to receive, on behalf of the buyer, any notices and instructions

given by the seller in regard to performance under this contract, and to take appropriate action as is required by this contract.

#### **9. Termination and Suspension.**

(a) The seller may terminate the buyer's rights under this contract if the buyer breaches the contract and fails to correct this breach within 30 days after written notice of the breach is served upon the buyer.

(b) If the buyer fails to comply with any of the provisions of this contract, the seller may shut down the buyer's operations upon issuance of written notice, until corrective action, as specified by the seller in its notice, is taken. If this corrective action is not taken within 30 days after written notice is served upon the buyer, the seller may terminate the contract under paragraph 8(a) of this contract. The buyer's failure to take immediate corrective action when ordered to remedy dangerous conditions or unwarranted damage to natural resources may be corrected by the seller to prevent danger or additional damage. Any cost incurred by the seller as a result of this corrective action, or by the buyer's failure to take corrective action, must be paid by the buyer.

(c) This contract may also be terminated by mutual agreement of both parties on terms agreed to in writing by both parties.

**10. Reservations.** The seller reserves the right to permit other compatible uses, including the sale of materials, on the land in the sale area if the seller determines that those uses will not unduly impair the buyer's operations under this contract. Under AS 38.05.125 the seller further expressly reserves to itself, and its successors, forever, (a) all oil, gas, coal, ores, minerals, fissionable materials, geothermal resources, and fossils of every kind, which may be in or upon the land described above, or any part of it; and (b) the right to explore the land for oil, gas, coal, ores, minerals, fissionable materials, geothermal resources, and fossils; and (c) the right to enter by itself or its agents, attorneys, and servants on the land, or any part of it, at any time for the purpose of opening, developing, drilling, and working mines or wells on this or other land and taking out and removing from it all oil, gas, coal, ores, minerals, fissionable materials, geothermal resources, and fossils; and (d) the right by itself or its agents, attorneys, and servants at any time: (1) to construct, maintain, and use all buildings, machinery, roads, pipelines, power lines, and railroads; and (2) to sink shafts, drill wells, and remove soil; and (3) to occupy as much of the land as may be necessary or convenient for these purposes; and (e) generally all rights to and control of the land, which are reasonably necessary or convenient to make beneficial and efficient the complete enjoyment of the property and rights which are expressly reserved.

**11. Inclusion of Applicable Laws and Regulations.** The buyer will comply with all laws and regulations applicable to operations under this contract, including the Alaska Fire Control Act, the provisions of AS 38.05.110 - 38.05.120, material sale regulations 11 AAC Chapter 71, state fish and game regulations pertaining to the protection of wildlife and wildlife habitat, and state regulations pertaining to safety, sanitation, and the use of explosives. These laws and regulations are, by this reference, made a part of this contract, and a violation of them is cause for termination or suspension of this contract in addition to any penalties prescribed by law. These laws and regulations control if the terms of this contract are in conflict with them in any regard.

**12. Assignment.** This contract may not be assigned by the buyer without the seller's prior written consent to the assignment.

**13. Permits.** Any permits necessary for operations under this contract must be obtained by the buyer before commencing those operations.

**14. Passage of Title.** All right, title and interest in or to any material included in the contract will remain in the State until it has been paid for; provided, however, that the right, title and interest in or to any material which has been paid for but not removed from the sale area by the buyer within the period of the contract or any extension thereof as provided for in this contract will vest in the seller.

**15. Expiration and Extension.** This contract expires December 31, 2009, unless an extension is granted by the seller in accordance with 11 AAC 71.210 (Material Sale Regulations).

**16. Warranties.** This sale is made without any warranties, express or implied, as to quantity, quality, merchantability, profitability, or fitness for a particular use, of the material to be extracted from the area under contract.

**17. Valid Existing Rights.** This contract is entered into and made subject to all valid existing rights, including easements, rights-of-way, reservations, or other interests in land, in existence on the date the contract is entered into.

**18. Notices.** All notices and other writings required or authorized under this contract must be made by certified mail, postage prepaid, to the parties at the following address:

To the Seller: **Alaska Department of Natural Resources  
Division of Mining, Land and Water  
3700 Airport Way  
Fairbanks, Alaska 99709**

To the Buyer: **Alaska Department of Transportation and Public Facilities  
2301 Peger Road  
Fairbanks, Alaska 99701**

**19. Integration and Modification.** This contract, including all laws and documents which by reference are incorporated in it or made a part of it, contains the entire agreement between the parties. This contract may not be modified or amended except by a document signed by both parties to this contract. Any amendment or modification which is not in writing, signed by both parties, and notarized is of no legal effect.

**20. Severability of Clauses of Sale Contract.** If any provision of this contract is adjudged to be invalid, that judgment does not affect the validity of any other provision of this contract, nor does it constitute any cause of action in favor of either party as against the other.

**21. Construction.** Words in the singular number include the plural, and words in the plural number include the singular.

**22. Headings.** The headings of the numbered paragraphs in this contract will not be considered in construing any provision of this contract.

**23. "Extracted" and "Extraction."** In this contract, use of the terms "extracted" and "extraction" encompasses the severance or removal, as well as extraction, by the buyer of any materials covered by this contract.

**24. Waiver.** No agent, representative or employee of the seller has authority to waive any provision of this contract unless expressly authorized to do so in writing by the Director of the Division of Mining, Land and Water.

BY SIGNING THIS CONTRACT, the State of Alaska, as seller, and the buyer, agree to be bound by its provisions as set out above.

BUYER: ALASKA DEPARTMENT OF  
TRANSPORTATION AND PUBLIC  
FACILITIES

SELLER: ALASKA DEPARTMENT OF  
NATURAL RESOURCES

*Karen L. Terry*  
for John A. Miller, Chief, Right of Way  
*F Bennett*

*Chris Miller*  
for Nancy J. Welch, Northern Regional Manager  
Division of Mining, Land and Water

STATE OF ALASKA )  
 )ss.  
4th Judicial District )

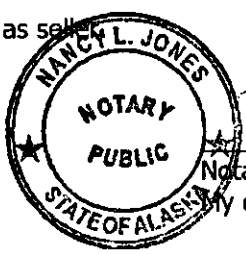
This is to certify that on Sept. 13, 1999, before me appeared KLT for John F. Bennett known by me to be the person named in and who executed this Negotiated Material Sale Contract and acknowledged voluntarily signing it as buyer.



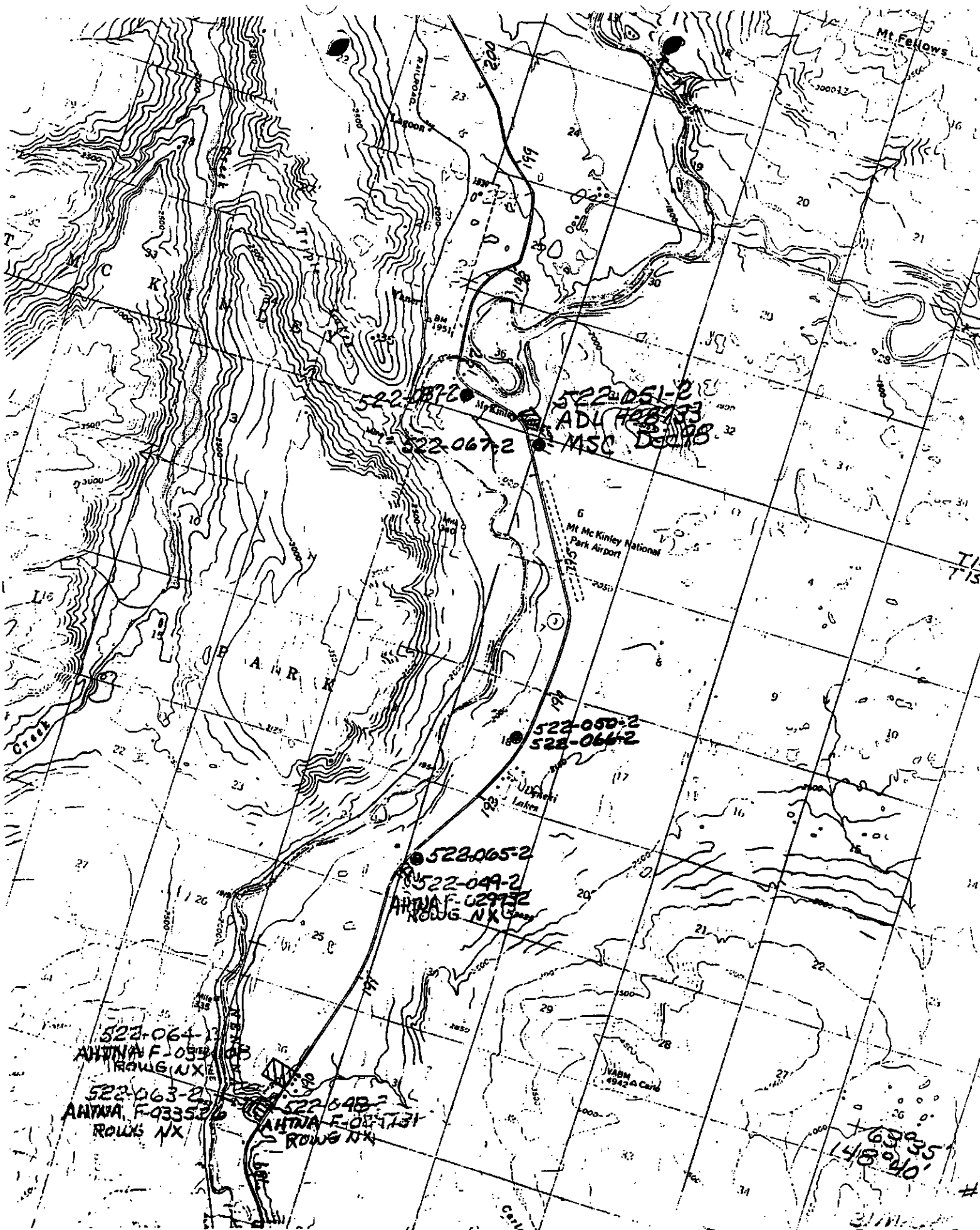
*Shari K. Howard*  
Notary Public in and for the State of Alaska  
My commission expires: 6-18-01

STATE OF ALASKA )  
 )ss.  
4th Judicial District )

This is to certify that on Sept. 14, 1999, before me appeared Chris Miller known by me to be the Acting Regional Manager of the Division of Mining, Land and Water, Department of Natural Resources, and who executed this Negotiated Material Sale Contract voluntarily signing it on behalf of the State of Alaska as seller.



*Nancy L. Jones*  
Notary Public in and for the State of Alaska  
My commission expires: 10/27/99



Mt. Fellows

522-067-2

522-051-2  
ADL  
MSC

Mt. Kinley National  
Park Airport

522-050-2  
522-066-2

522-065-2  
522-049-2  
ANTNA F-029732  
ROWG NX

522-064-2  
ANTNA F-033526  
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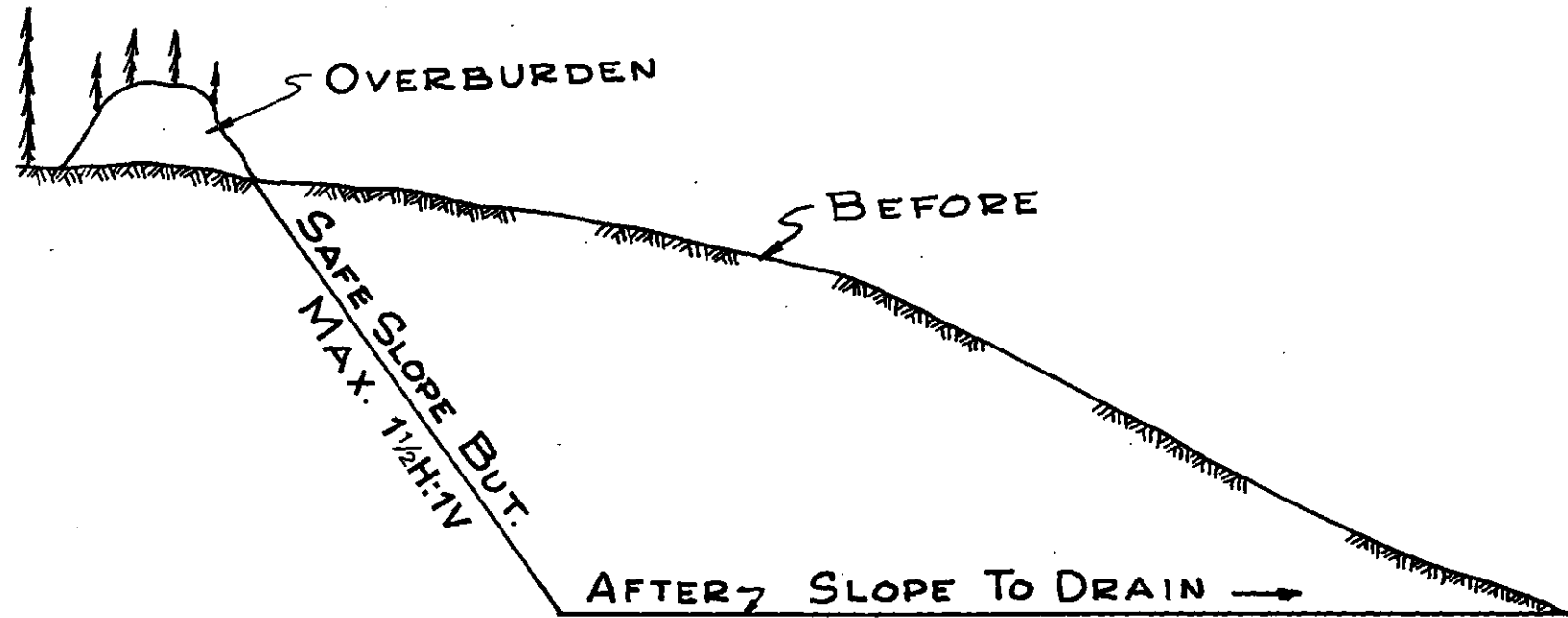
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PARKS 5

### PART III: MATERIAL SOURCE RECLAMATION PLAN

1. This source was first permitted to DOT by BLM in 1962. It is very close to being depleted. The work area is approximately 700' x 400' in area and is approximately 14' to 18' deep. There are four stockpiles around the pit containing various materials. The waste area is along the southern edge of the work area and there is overburden around the borders of the work area. In the past, the floor of the site has been graded to drain, but no other reclamation has been done.
2. This source will be used only by Maintenance and Operations. There is not enough material left to provide sufficient materials for a construction project. Until that time the source will be developed on an as-needed basis. **Stipulation:** the floor of this pit cannot be excavated lower than it presently exists. We do not have the resources at this time to create scaled cross sections; those available are provided.
3. At such time the pit is developed further, the floor of the pit will continue to be graded to drain. Since this area will likely be used for some community function, appropriate reclamation will be discussed with the community upon depletion of material. No drawings are available.
4. Community use.

# MINING PLAN CROSS SECTION TYPICAL





# MEMORANDUM

# State of Alaska

DEPARTMENT OF NATURAL RESOURCES-DIVISION OF LAND  
NORTHERN REGIONAL OFFICE - 3700 AIRPORT WAY, FAIRBANKS, ALASKA 99709

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TO: Shari Howard  
Right of Way Agent  
ADOT/PF

DATE: November 5, 1991

FILE NO: ADL 412703

THRU:

TELEPHONE NO: 451-2700

FROM: Bill Newman  
NRO

SUBJECT: McKinley Village  
Gravel Application

This is to notify you that ADOT/PF's request for 200,000 cubic yards of material from Tract A, Village View Subdivision, was approved for public notice. Interested parties have the opportunity to comment during the public notice period. If they feel they are aggrieved by the decision they have the opportunity to appeal the final finding and decision. Since the community was informed during the disposal process for Village View that material extraction would not be permitted without public hearing I have scheduled two public hearings. The first hearing will be held in the Tri-Valley Community Center in Healy on November 21 at 7:00 P.M. The second hearing will be held in DNR's large conference room on December 5, 1991 at 7:00 P.M.

Enclosed are two copies of the legal advertisement for public notice. I request that you have it printed in the Fairbanks Daily News-Miner in order to meet the two publication dates I have requested. Please furnish me a copy of the Affidavit of Publication and a copy of the published notice.

If you have any questions please give me a call.

RECEIVED R/W  
NOV 6 1991  
Northern Region DOT & PF

**STATE OF ALASKA**  
**DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**  
**ADL Number 412703**  
**Preliminary Finding and Decision**

**PROPOSED ACTION:**

1. Requested Action: Negotiated Material Sale under AS 38.05.810 from Tract A, ASLS 83-194.
2. ADL Number: 412703
3. Case Type Code: 561-6601
4. Amount and Type of Resource Requested: 200,000 cubic yards of gravel over a ten year period.
5. Context of Request: Materials are needed for the continued upgrade and improvements to the Parks Highway. The existing source is depleted and this alternate source is requested.

**AUTHORITY:**

The application is being adjudicated pursuant to AS 38.05.115, AS 38.05.810, AS 38.05.120 and 11 AAC 71.005 - 280.

**ADMINISTRATIVE RECORD:**

This application was received on March 18, 1986. Following in-house and agency review it was decided to place this application on a hold status pending the depletion of the site commonly referred to as the McKinley Extraction Site located on Tract D of ASLS 83-194. This site is under casefile ADL Number 408733. During the public review Mr. Gordon Haber, private owner of land near this site, expressed his concern about the opening of this site. Since he expressed this concern he was informed that we would not open this site for extraction until full public notice and review had been accomplished even though this site received full public review and comment under the subdivision design and sale. This area was subdivided and sold both as a subdivision lottery and homesite entry area. Tract D was reserved as a material source site. Tract D is currently close to depletion, hence the processing of this application. The Preliminary Decision and Final

Finding for that sale has been extensively referred to in the development of this decision. Also incorporated by reference are: *"The Tanana Basin Area Plan"* (TBAP), 1990; Susitna Basin Planning Report, *"Scenic Resources Along the Parks Highway"*, 1981.

### LOCATION:

1. Geographic: The site is located on the south side of the George Parks Highway, milepost 230, within the Village View Subdivision. The property to the northwest is under private ownership. AHTNA Corporation owns the land to the southwest. Mt. McKinley National Park is located approximately a mile to the south. McKinley Village is located approximately one half mile to the northeast.

The general features of the area can best be described as rolling terrain with two steep hills, covered by spruce, aspen and birch trees up to 40 feet tall, willows, and a mixture of less dominant vegetation. The aesthetics of the area are tremendous--characterized by panoramic views in several directions over lakes, valleys, rivers and forests to the high mountain backdrops. There are no adverse natural hazards.

There is considerable commercial activity in the area. Besides the mining activity, there are two river rafting companies, one lodge, a general contractor, big game guide service, and aircraft charter service.

2. Borough/Municipality: Denali Borough.

3. Alaska Coastal District: Not located within a coastal district.

4. Regional/Village Corporation/Councils: AHTNA Regional Corporation, Inc. and Doyon, Ltd.

5. USGS Map Coverage: May be viewed on USGS Healy C-4.

6. Legal Description: Tract A, Alaska State Land Survey 83-194 being a portion of the SW¼ SW¼ of Section 36, Township 14 South, Range 7 West of the Fairbanks Meridian. This property was originally surveyed as part of U.S. Survey 5566. The site contains 6.721 acres, more or less.

**TITLE:**

1. Acquisition Authority: The State of Alaska selected this land as a General Grant, casefile General Selection 1507, under the Statehood Entitlement Act.
2. Title Status: Patented. The State received patent under this entitlement on March 29, 1985 under Patent Number 50-85-0295.
3. Title Restrictions: A right-of-way for ditches or canals constructed by the authority of the United States. Act of August 30, 1890, 26 Stat. 391, 43 U.S.C. 945. A portion of ASLS 83-194 is subject to an Easement Vacation, however, this vacation does not affect Tract A. The plat indicates a 50 foot section line easement along the south lot line of Tract A.
4. Other Conflicting and Pending Interests: A lease application for a one acre site has been received by the Northern Region. The applicant would like to construct a commercial campsite and related facilities in the area bordering the entrance to Denali National Park and Preserve.

**BACKGROUND:**

1. Chronological Background: As stated above this area was part of a state land disposal area known as the Village View Subdivision. The disposal included both subdivision lots by lottery and homesite entry lots.
2. History: The history for this property is detailed in the files for the disposal action. This tract was reserved for state retention. Tract D is reserved as a source of gravel for the McKinley area.

**PLANNING AND CLASSIFICATION:**

The subject parcel is currently classified Settlement (NC-83-024). The parcel is within the Nenana River corridor, subunit 4C-1 of TBAP. Primary surface use designation is settlement and the secondary designation is public recreation/wildlife habitat. Under TBAP guidelines the state land is retained in public ownership for multiple use management. The emphasis is on managing recreation and maintaining fish and wildlife habitat. TBAP states that the highest priority should be to use existing material sources and to minimize the construction and maintenance cost of transportation facilities, material sites should be located as

near as is feasible to the site where the material will be used. Mineral Closure Order 377 has been placed on the parcel. TBAP does allow for new development within the corridor to the extent feasible and prudent and visually screened from the public. This portion of the corridor is recommended for State Recreation River status.

The Susitna Basin Planning Report: "*Scenic Resources along the Parks Highway*", recommends the "McKinley View" area for future development because of the existing development and the area's moderate to low scenic resource value.

### **TRADITIONAL USE FINDING:**

The area has traditionally been used for general camping by the public.

### **WATERBODIES:**

No waterbodies are affected by this action. The Nenana River is located a half mile to the north of the subject property and no effects will be experienced on navigation by this proposed action. This portion of the Nenana River has been determined to be non-navigable.

### **ACCESS:**

Access to the lot is via the Parks Highway. The south lot line is the section line separating Section 36, Township 15 South, Range 7 West of the Fairbanks Meridian and an easement of 50 feet in width is reserved. There are no trails crossing the subject site.

### **SURVEY AND APPRAISAL**

The site is currently surveyed as part of the Village View Subdivision. Additional survey will not be required. An appraisal will also not be required since this application is being processed under AS 38.05.810, Public Use.

### **AGENCY COMMENTS:**

1. Alaska Department of Fish and Game: No objection or comment on this permit.

2. Alaska Department of Environmental Conservation. No response.
3. Alaska Department of Transportation and Public Facility. Supports the request and offers no further comments or objections.
4. Alaska Division of Parks and Outdoor Recreation. No response.
5. Alaska Division of Mining. No Response
6. Alaska Division of Forestry. Firewood is in short supply in this immediate area. All firewood should be salvaged for public use. It is requested that a stipulation be placed on the contract which would require that all trees over six inches diameter be hand felled, limbed and stacked in an area accessible to the public.
7. Alaska Division of Land. Informed that a competitive lease has also been applied for on this parcel. Applicant has requested the entire parcel. Possible negotiations are currently in progress between the ADOT\PF and the applicant. The applicant may be able to utilize only one acre for his proposed project. A recommendation was made that a 50 foot easement along the section line be reserved for future access.  
  
Adhere to the TBAP guidelines that the site be visually screened. The area to the east is classified as settlement and along the river as public recreation/wildlife habitat. The proposed use appears to be consistent with the TBAP.
8. CZM/OMB. The site is not within the Coastal Zone and does not require coastal review.
9. Mental Health. This material site is not located on Mental Health Trust lands and is not affected by the current litigation.
10. Municipality. This site is not located within or near a municipality.
11. Borough: The parcel is within the boundaries of the newly formed Denali Borough. The borough does not have zoning authority at this time.
12. Alaska Division of Parks and Outdoor Recreation/SHPO: Should cultural or paleontological resources be discovered as a result of material excavation we request that the activity which would disturb such resources be stopped and the Division of Parks and Outdoor Recreation, Office of History and Archaeology be contacted immediately.

### **ENVIRONMENTAL RISK ASSESSMENTS:**

The environmental risks associated with this proposed action is considered to be small. A mining plan has been submitted as part of the application which has taken into consideration rehabilitation following depletion of the resources. An on-site inspection failed to note any current environmental injury.

### **BONDING AND INSURANCE:**

Bonding and insurance will not be required. The applicant is a state agency and the permit is being processed under 38.05.810, Public Use.

### **ALTERNATIVES:**

1. Denial of the application:

If the application is denied the material will have to be acquired from an alternative site. The closest state owned site would be in the Cantwell area. Costs for transportation of the materials would be prohibitive considering the distance traveled to and from the site and the time involvement. This would, however, would leave the parcel in an undisturbed state, adhering to the strictest interpretation of the TBAP in the preservation of the Nenana River Corridor for its recreational and scenic character. Or, it would permit the state to lease to the adjacent landowner for development as a commercial campsite.

2. Denial of the application for preference of an alternative site:

Tract D, Village View Subdivision is currently being used as the gravel resource site for this portion of the Parks Highway. This site was originally approved for material extraction by the BLM since 1950 and has been in constant use since. This was the source for materials when the original Denali Highway was constructed to provide automotive access to Mt. McKinley Park. Subsequent construction of the George H. Park's Highway as a major road link between the two largest cities has required use of the site in construction and maintenance of the highway. Following Tentative Approval the ADOT/PF submitted a material application for continued use of this site on June 10, 1982. A request to expand the site was received on June 21, 1983 stating that expansion is of extreme importance for the continuation of economical road maintenance. Much of the land in this area has been conveyed to AHTNA, Inc. and the National Park Service and established sources are scarce. This site is the sole active source for durable sandy gravel suitable for supplying material needed for paving and concrete aggregate within haul distance.

Similar alluvial material is not available for fifteen miles to the north. Comparable alluvial material is available to the south at a distance of four miles but is extremely limited in its resources. This would not meet the management guidelines of TBAP which states that material sites are to be located as near as is feasible to the site where the material will be used.

At a public meeting held at McKinley Park to discuss the Village View Subdivision on March 6, 1984, the local residents felt the existing material site and the proposed expansion offered conflicts with the proposed residential subdivision. During this review process Tract A was discussed as a good future material source. It was decided that the ADOT/PF would continue to use Tract D and submit an application for Tract A. Further, because the unique quality of the material from the existing pit the ADOT/PF was permitted continued use with the stipulation that the pit would not exceed twenty feet in depth. This would leave a very useable community site for public related purposes.

An alternative considered is to permit the extraction to a depth greater than the twenty foot stipulation placed on the contract. This alternative would also reopen the site for third party users.

3. Approve the request:

Approving the request would provide the state and the public a viable gravel source in the McKinley area. The closest state source for public use is the Dry Creek site. The site could be developed in such a manner as not to be obtrusive to the casual automotive visitor. The terrain is steep and access would be along the lot line furthest from the highway. The opening of this site would leave Tract D available for other uses, i.e., public, leases, residential, etc.

**COMMENTS:**

Soil borings have been conducted on this site. The soils observed in the exploration can be described as comprising a three layered system with all borings containing gravels of varying silt contents. The test holes revealed that most of the site contains soils suitable for roadway construction and maintenance.

Layer one consists of a thin organic mat which generally did not extend below one foot in depth. Layer two consists of thin lenses of moderately to highly frost susceptible sands and silts. Layer three was generally non-frost susceptible sandy gravel. Details of the soil investigation may be found in the Village View Subdivision file.



A detrimental effect of gravel extraction may be to the recreational community. The area receives heavy use for berry picking, photography, and cross country skiing. The extraction may be viewed as not amenable to the pristine attitude of the surrounding area. This site being located within the Alaska Range offers views of the surrounding mountains from all locations. Some locations offer vistas of the Nenana River Canyon at McKinley Village.

There is no known evidence of major historical or archaeological points of interest within the immediate area.

To the immediate west of the property is private land. A waste and screen area of 200 feet in width will be utilized. The site would be excavated in levels until the road level is attained. Mining depth is not expected to exceed ten feet.

Gravel is an important mineral in this area and existing source sites are few. The AHTNA Native Regional Corporation and the Alaska Railroad each have extraction sites, however, the ARR site is not open for public use. This site was recognized as a potential material source for several years and is believed to be a viable public source for the McKinley area. An alternative reviewed is the denial of the request. This was not the preferred choice since it does nothing to relieve the public need for gravel nor does it present a solution to the closure of the existing source site.

No adverse effect will be experienced by water right holders in the area. The water table is below that of the extraction area. Erosion potential will be taken into consideration during the extraction period. A mining plan will be required which will specifically address possible erosional problems. Since this site is not located near the Nenana River there will be no impact on the fish habitat nor the recreational (commercial) raft users.

Rehabilitation of the site will be in accordance with the mining plan. The site has the potential for commercial use once the material has been depleted similar to the Hornet Creek Pad just north of this site.

The McKinley View pit is the only state source of quality material available in the area. This site has in the past served the material needs of the ADOT/PF and of the general public. The problem of maintaining material availability for all users was compounded by a complaint and lawsuit by Mr. Gordon Haber, who stridently opposed the expansion of this site. Local residents requested that the pit be limited to a depth of no more than twenty feet. Due to this restriction the resource availability suddenly became quite scarce and the site was closed to the general public use. The nearest public use area is at Dry Creek in Healy. There are commercial sources available from AHTNA, Inc. or from the Alaska Railroad.

A field trip was conducted on August 14, 1991. Timothy Stevens, NRO; Jack Reiland, owner of the adjacent parcel who has requested to lease the subject property; Mr. Gordon Haber; and Bill Newman, NRO, were present. During discussion of both proposals the entire tract was walked. Mr. Reiland explained his proposition for this property and his concerns over the lack of public camping facilities in the area around the National Park. Mr. Haber expressed adamant opposition to the material site. He emphasized that ADOT/PF should find another site away from this particular area. His repeated suggested area was Cantwell or Dry Creek.

### **RECOMMENDATION:**

The discussion regarding this site has been continuous since 1985. It was the Division's recommendation that the ADOT/PF consider and apply for Tract A for its future material resource needs following the depletion of the active site on Tract D. This was discussed at public meetings and has been a matter of public record. It is recommended that extraction be permitted from the new site as stated in alternative 3. No new evidence has been offered to alter that decision. If, following public review, it is decided not to issue the contract, it is recommended that consideration be given to permitting the allowable extraction depth imposed on the McKinley Village Pit be removed.

The following stipulations are proposed to be attached to the material contract:

1. No material removals are authorized under this contract unless in accordance with the approved mining plan and Special Provisions of the contract. The Special Provisions of the contract shall take precedence over the approved mining plan should there exist a contradiction between said mining plans and Special Provisions. Gravel removal operations will commence only upon receipt of approval from the Division of Land.
2. This contract authorizes removal only from that area defined in 1(a) of the Special Provisions of the contract. Approvals will be required for each material site from which removals are to be made.
3. The Division of Land reserves the right to suspend removal operations from approved material sites and to designate alternate sites. Purchaser shall have the right to request reconsideration of such action and to be heard on its request within seventy-two (72) hours of requesting reconsideration. A decision shall be made by the Director within five (5) days after hearing the request.
4. Any overburden material including but not limited to topsoil, peat, sand or organic material used for any purpose shall be accounted for as in Section 2

above and paid for as in Section 1(b) of the Special Provisions of the contract.

5. The purchaser shall maintain the pit in a graded, clean and orderly condition. Access to other areas of the pit shall not be blocked or impeded.

6. The Alaska Historic Preservation Act (A.S. 41.35.000) prohibits the appropriation, excavation, removal, injury or destruction of any historic, prehistoric, or archaeological resources of the State. No historic site, archaeological site, or camp, either active or abandoned, shall be disturbed in any manner nor shall any item be removed therefrom. Should any sites be discovered during the course of field operations, all operation will be suspended immediately and the Division of Land promptly notified. (6 AAC 80.150)

7. Upon completion of the activities rehabilitation and restoration of disturbed areas will be required. All stockpiles of materials will be accounted for and removed from the site. (6 AAC 80.140)

8. All gravel extraction will be completed in accordance with the approved mining plan for this site.

9. GRAVEL EXTRACTION IN EXCESS OF THE CONTRACTED AMOUNT WILL BE CONSIDERED TAKEN IN TRESPASS AND AT THE DISCRETION OF THE DIRECTOR OF THE DIVISION OF LAND CHARGED TO AND PAID FOR BY THE BUYER AT NO LESS THAN TRIPLE THE UNIT CONTRACT PRICE OR UP TO THREE TIMES THE PECUNIARY GAIN REALIZED BY THE BUYER AS A RESULT OF THE TRESPASS. SAID TRESPASS PENALTIES ARE IN ADDITION TO ANY OTHER ADMINISTRATIVE OR LEGAL PROCEEDINGS IMPOSED BY STATE LAW.

10. Marketable timber (6" DBH and larger) will be salvaged. The timber will be stacked in an accessible area not susceptible to water flood and made available to the public.

11. This contract does not obviate nor preclude the necessity to obtain other permits that may be required by law or regulation.

12. As per the guidelines of the Tanana Basin Area Plan (pg 2-22) the site will be screened from roads, residential areas, and other areas of significant human use.

I find that the proposed action may be in the state's best interest and is hereby approved to proceed to public notice.

mi  
10-31-91

William F. Newman  
Adjudicator

October 31, 1991  
Date

[Signature]  
Regional Manager

11/1/91  
Date

I agree to proceeding to public notice but I would like further evaluation during the public meeting, as to the option of digging the existing pit deeper than 20 feet

WJL

# MEMORANDUM

# State of Alaska

DEPARTMENT OF NATURAL RESOURCES - DIVISION OF LAND AND WATER MANAGEMENT  
NORTHERN REGIONAL OFFICE - 4420 AIRPORT WAY, FAIRBANKS, ALASKA 99709

TO: Shari Howard  
DOT/PF

DATE: May 12, 1988

FILE NO: ADL No. 408733

TELEPHONE NO: 479-2243

THRU:

SUBJECT: Material Sale Contract

FROM:

*for* Frederick L. Smith  
*Bill Hauman*  
Natural Resource Manager

RECEIVED R/W

MAY 16 1988

Northern Region DOT & PF

Negotiated Material Sale Contract, ADL# 408733, MS-52-2-051-2 McKinley View Pit, is amended to expire on December 31, 1998.

WFN/br



# STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

NORTHERN REGION, DESIGN AND CONSTRUCTION

STEVE COWPER, GOVERNOR

2301 PEGER ROAD  
FAIRBANKS, ALASKA 99709-5316  
PHONE: (907) 451-2200

November 17, 1987

The Honorable John B. Coghill  
Alaska State Senate  
P.O. Box 268  
Nenana, Alaska 99760

Dear Senator Coghill:

I'm sorry for the delay in response to your letter about the material source we have near Village View Subdivision south of Denali National Park (M.S. 52-2-051-2 near Mile 230 Parks Highway). My materials people have been in the field and out of state for some time.

Until last year, the Department of Transportation and Public Facilities has given unlimited non-objections to the Department of Natural Resources (DNR) to issue permits for material from the source. This ceased after investigation showed that the material available under our DNR permit was becoming rapidly depleted. We requested DNR not to issue any further material permits, which they have done. Regardless, material has continued to disappear from the source.

A large quantity of material was processed after this summer's repaving project. It was stockpiled in the source for maintenance use and we erected a barrier to protect the resource. There is approximately 50,000 cy of unprocessed material remaining in the source. This is the only area in the Canyon where we have found high quality material for our projects. It is important that this material be used to its best advantage - for the construction and maintenance of the Parks Highway. However, DNR will have the final decision as to disposition of the unprocessed material.

There are other sources of material which the subdivision owners could use in the Healy-Cantwell area. The nearest free use (DNR) source is at Dry Creek in Healy. Also, there are material sources south of the park on lands which have been conveyed to Ahtna, Inc. This material would have to be purchased from the native corporation. However, the proximity to the subdivision would reduce the haul cost. It is possible that Ahtna, Inc., will be developing a source close to the park entrance next year to provide material for the work scheduled in Denali National Park.

We feel strongly about this position. It is our practice to help the public whenever possible, providing it does not jeopardize our responsibility to

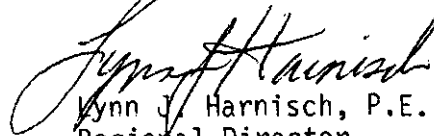
The Honorable John B. Coghill

-2-

November 17, 1987

maintain the highway system. This is one of a very few sources in the Northern Region we have felt it necessary to request that DNR maintain exclusively for highway purposes.

Sincerely,



Lynn J. Harnisch, P.E.  
Regional Director  
Northern Region

SKH/prs

bcc: Rick Smith, DNR, Fairbanks  
Hal Livingston, Geologist, Northern Region  
Shari Howard, R/W Agent

# MEMORANDUM

State of Alaska  
Department of Transportation & Public Facilities

TO: Richard Odsather  
Chief, Right of Way  
Northern Region

DATE: October 13, 1987

FILE NO: 244N:

Attn: Shari Howard  
Right of Way

TELEPHONE NO: 451-3320

FROM:

SUBJECT:

M.S. 52-2-051-2

*Wal* Livingston *MES*  
Sr. Engr. Geologist  
Northern Region

The request for material from this site for use on subdivision roads is not recommended. The primary purpose of DOT&PF permitted material sites is the construction and maintenance of public highways. The reserves of sand and gravel in this site are limited and their use on roads other than the George Parks Highway cannot be justified.

The attached letter indicates the remaining reserves in the subject material source at 116,000 cubic yards in May of 1986. The 1987 paving project used this source and a processed stockpile for use by maintenance and Operations also came from this source. Together 67,000 cubic yards of material were removed, leaving a balance of 49,000 cubic yards. This remaining quantity must be reserved for DOT&PF use on the Parks Highway. At the annual average use of 5000 cubic yards per year, only ten years of future maintenance will be available from this source unless it can be expanded (not likely - surrounded by selected land and subdivisions).

A new source of sand and gravel is planned to be made available in this area by an adjacent land owner in 1988. It is suggested that the subdivision residents contact AHTNA when that site is in production.

226

A DOT&PF permitted source, M.S. 52-2-049-2 is located at M.P. 192. We would have no objection to this site being made available for subdivision roads and driveways.

mmm

Attachment: Letter

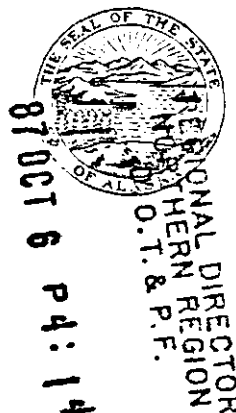
xc: Paul W. Misterek, Materials Engr  
John Horn, M&O



Senator John B. (Jack) Coghill  
Alaska State Legislature

Pouch V  
Juneau, Alaska 99811  
(907) 465-4921

Box 55028  
North Pole, Alaska 99705  
(907) 488-0862



CHIEF R/W AGENT	<i>J</i>
PRE AUDIT	
ENGINEERING	
TITLE	
PLANS	
<input checked="" type="checkbox"/> MATERIALS	<i>J</i>
APPRAISALS	
NEGOTIATIONS	
RELOCATION/POP. MGMT.	
RETURN TO:	
FILE	

October 5, 1987

Lynn Harnisch  
Northern Regional Director  
Dept. of Transportation  
2301 Peger Road  
Fairbanks, AK 99709

Dear Lynn:

My office has been contacted by the landowners of the Village View subdivision, M.P. 230 of Parks Highway, regarding the usage of a gravel pit that is within the subdivision to improve the roads in the subdivision. The lottery for this disposal was held in December 1985.

We have been in contact with the Department of Natural Resources, and they have informed us that the reserves in the pit belong to D.O.T. Would it be possible for D.O.T. to issue a permit to the subdivision residents allowing them to use the gravel for the purpose of improving their roads? We understand that each landowner would have to apply for a permit.

Lynn, if this particular pit cannot be used, I would appreciate any assistance you can give to help the subdivision residents gain access to another gravel pit. If you have any questions, please feel free to give me a call.

I look forward to your response.

Sincerely,

Senator Jack Coghill

JBC/slg

cc: Alan Seegert

*action* →

NORTHERN REGION	
<input checked="" type="checkbox"/> Regional Director	
DEC Director	
Planning & Research Chief	
Adm. Serv. Officer	
CEO Director	<i>cc</i>
Learning Officer	
South-central Dir. Valdez	
Western Dir. Nome	
RETURN	

*action* → → *OW/d.w*

# MEMORANDUM

# State of Alaska

DEPARTMENT OF NATURAL RESOURCES - DIVISION OF LAND AND WATER MANAGEMENT  
NORTHERN REGION - 4420 AIRPORT WAY, FAIRBANKS, ALASKA 99709

TO: Harold A. Cameron  
Chief Right of Way agent  
Northern Region

DATE: July 30, 1986

FILE NO:

TELEPHONE NO:

479-2243

FROM:

Chris Guinn *CG*  
Chief - Operations

SUBJECT:

ADL 408733

The Department of Natural Resources (DNR) will authorize DOT and PF's extraction of gravel below a 20-foot depth in material site ADL 408733 ("McKinley Village Site") for an amount equal to that authorized for extraction by users other than DOT and PF during the 1986 construction season provided the alternative site ADL 412703 is not established by the 1987 construction season. DNR expects to authorize approximately 20,000 c.y. this summer.

LJK/ps

RECEIVED  
AUG 01 1986

Chief R/W Agent	<i>CG</i>
Administration	
Airports	
Appraisals	
Engineering	
Materials	<i>CG</i>
Ne. Relations	
Pre-audit	
Rein. & Prop. Mgt.	
Title	
Return to:	
File	

MS 52-2-051-2

# MEMORANDUM

# State of Alaska

DEPARTMENT OF NATURAL RESOURCES - DIVISION OF LAND AND WATER MANAGEMENT  
NORTHERN REGION - 4420 AIRPORT WAY, FAIRBANKS, ALASKA 99709

TO: Harold Cameron  
Chief Right of Way Agent  
Northern Region  
DOT/PF

DATE: April 22, 1986

FILE NO:

TELEPHONE NO: 479-2243

FROM: Frederick L. Smith *AM*  
DLWM, Northern Region  
Retained Lands Section

SUBJECT: ADL 408733

The legal description of your contract ADL 408733 is amended to read Tract D of ASLS 83-194.

FLS/LJK/ps

2

✓	Chief R/W Agent	<i>[Signature]</i>
	Administration	
	Airports	
	Appraisals	
	Engineering	
✓	Materials	<i>[Signature]</i>
	Negotiations	
	Pre-Audit	
	Rein. & Prop. Mgt.	
	Title	
	Return to:	
	File	

# MEMORANDUM

## State of Alaska Department of Transportation & Public Facilities

TO: Harold Cameron  
Chief, Right of Way  
Northern Region

DATE: May 15, 1986

Attn: Shari Howard

FILE NO: 244N:

FROM: Hal Livingston *HL*  
Sr. Engineering Geologist  
Northern Region

TELEPHONE NO: 451-2230

SUBJECT: Material needs in  
the McKinley Park area  
of the Geo. Parks Hwy  
M.S. 52-2-051-2

Calculations of remaining gravel reserves against future use in the site gives the following information:

Site excavated to 20 ft. depth, including the expansion area with allowances for slopes of 1.5:1 and a safety factor of 1.35 = 116,400 cubic yards of gravel reserve.

One repaving project in the area of McKinley Park and halfway to the next source south will require 100,000 c.y. One reconstruction project in the same interval will require 150,000 c.y. from this site.

Maintenance needs from this site will be about 2000 c.y. per year.

Conclusion: This site will be depleted of material at the end of the next repave or reconstruction project. These will most likely be done within the next 15 years.

Use of the site by others is not in the interest of the State of Alaska.

### Quantities

Test holes show silty overburden to an average depth of 1.5 feet and clean gravel below that to a drilled depth of 10.0 ft.

$$A \frac{800 \times 500 \times 1.5}{27} = \text{Waste} = 22,200 \text{ c.y.}$$

$$B \frac{\text{Known 8.5 ft. gravel} \times 800 \times 500 \times 8.5}{27} = \text{Gravel} = 125,925 \text{ c.y.}$$

$$C \frac{400 \times 500 \times 15}{27} = \text{Excavated Gravel} = 111,100 \text{ c.y.}$$

$$B - C = \text{Remaining gravel} = 125,900 - 111,100 = 14,800$$

$$\text{Assume 20 ft. gravel} \\ \frac{800 \times 500 \times 20}{27} = 296,296 \text{ c.y.}$$

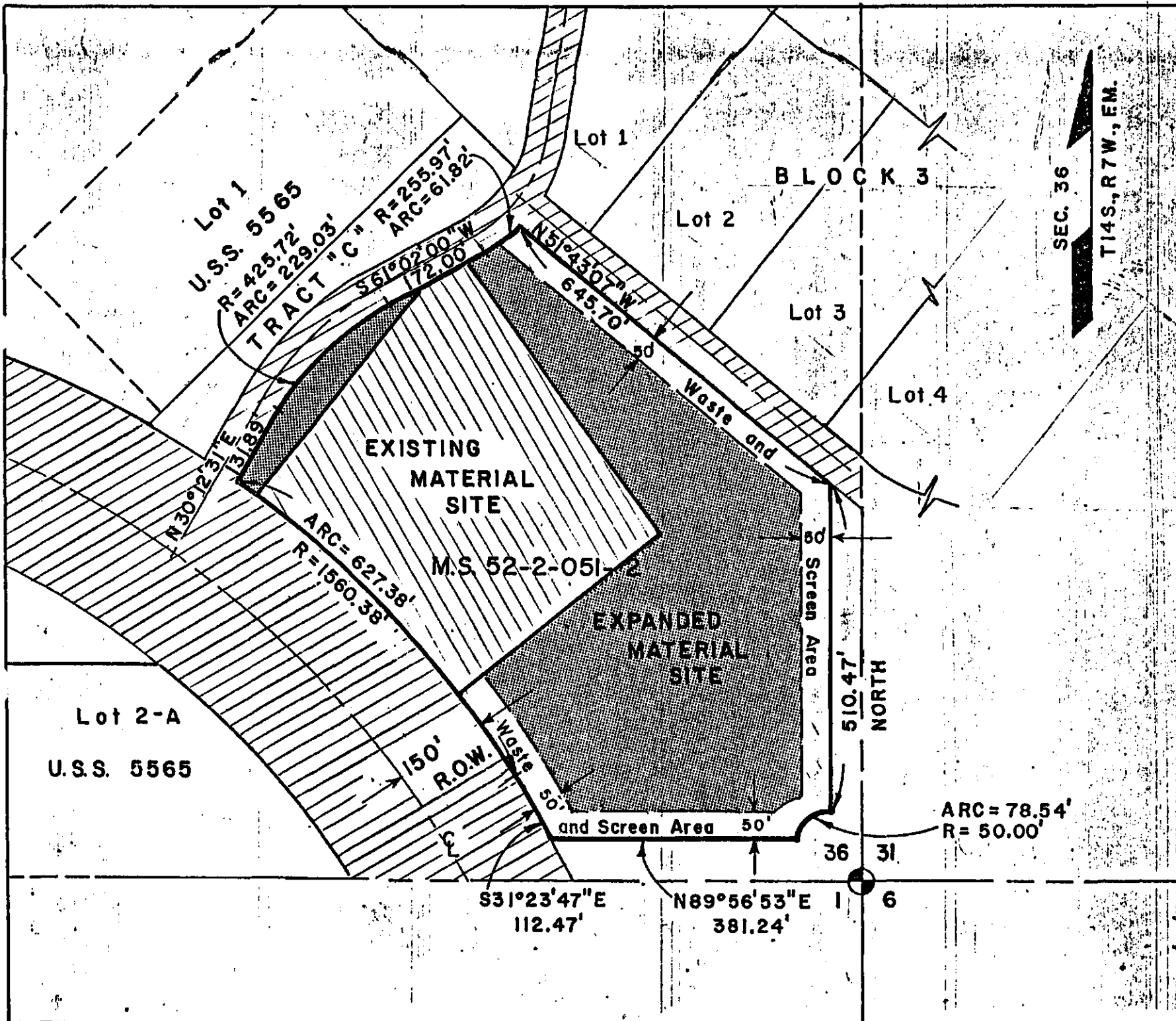
May 15, 1986

$$296,000 - 111,000 = 185,000 \text{ c.y.}$$
$$185,000 \text{ c.y.} - \text{slope allowance } 15\% (27750) = \frac{157,200}{1.35} = 116,400 \text{ c.y.}$$

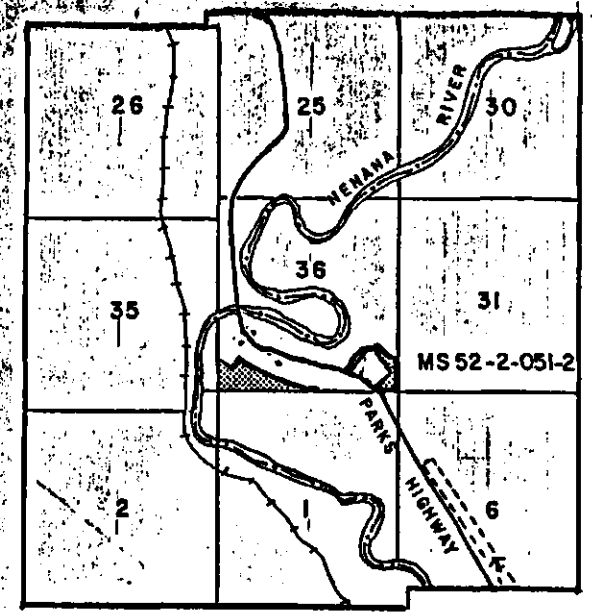
If all local use is stopped this site will provide material for maintenance and one repaving project in the next 15 years.

mm

xc: Paul W. Misterek, Materials Engr  
W. Slater, Chief Geotech Engr



SEC. 36  
 T14S., R7W., E.M.



LOCATION MAP  
 Scale 1" = 1 Mile

STATE OF ALASKA	
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
PLAT SHOWING MATERIAL SOURCE REQUIRED FOR	
ALASKA PROJECT NO. FAP 522	
PARCEL NO. M.S. 52-2-051-2	
NORTHERN REGION	DATE 2/12/86
SCALE 1" = 200'	SQ. FT.
DRAWN BY L.L.	12.621± ACRES

# MEMORANDUM

## State of Alaska Department of Transportation & Public Facilities

TO: Harold Cameron, Chief  
Right-of-Way  
Northern Region

DATE: April 28, 1986

FILE NO: 244N:

Attn: Shari Howard  
ROW Agent

TELEPHONE NO: 451-2228

FROM:

Hal Livingston *Hal*  
Sr. Engineering Geologist  
Northern Region

SUBJECT:

M.S. 52-2-051-2  
Critical Crusher  
Source

This site is one which has been in use since 1950 when the original Denali Highway was constructed to provide automotive access to Mt. McKinley Park in the 1950's. Subsequent construction of the George H. Park's Highway as a major road link between the two largest cities in the state has required use of the site in construction and maintenance of this Federal Primary Highway. Other use of this site has been requested by the National Park Service, by State Subdivision developers, and by private citizens within ten miles north and south of the site. Alluvial gravel suitable for crushing and use in asphalt paving, concrete aggregate, crushed D-1, crushed base material, and Borrow Type A and Type B are all available from this source.

The presence of Mt. McKinley (Denali) National Park immediately north of this site means that no material of any kind is available for seven miles north. Similar alluvial material is not available for fifteen miles north. Comparable alluvial material is available to the south at a distance of four miles but it is a very small source with limited reserves. The next site is six miles distant.

Because M.S. 52-2-051-2 is the sole source for durable sandy gravel suitable for supplying material needed for paving and concrete aggregate within a haul distance of twenty-one miles along this segment of the Parks Highway, it is requested that exclusive use of the site be reserved to the Department of Transportation and Public Facilities (DOT&PF). Further, it is recommended that diligent efforts be made to locate and make available to DOT&PF additional sources of similar material in the vicinity of this site. Long term needs (50 years plus) will exceed the reserves presently in the sole source (M.S. 52-2-051-2), probably within 20 years. If additional sources are not identified and reserved now, future highway construction costs will be necessarily inflated by having to haul gravel very long distances. Preliminary information available now indicates that similar durable alluvial gravel is present in the vicinity on State land (Sec 36 T 14S, R7W).

Please consider the above information and contact the Alaska Division of Lands so that the necessary steps can be taken to reserve adequate quantities of gravel for construction and maintenance of public highways.

\*\*\*\*\*

xc: Paul W. Misterek, Materials Engr  
Willard Slater, Chief Geotech. Services  
John Horn, Director, M&O

**MEMORANDUM** (Brief Communications)

State of Alaska

TO:	Name <i>Shari Howard</i>	Dept./Div./Sect. <i>R.O.W.</i>	Mail Stop
FROM:	Name <i>Gary Brazo</i>	Dept./Div./Sect. <i>Geology</i>	Telephone <i>X237</i>
SUBJ.:	<i>MS 522-051-2, 522-087-2</i>		Date <i>30 Oct. 84</i>

Please proceed with the application for the attached areas (near McKinley Village) for material sites:

1. *MS 522-051-2, Extension*

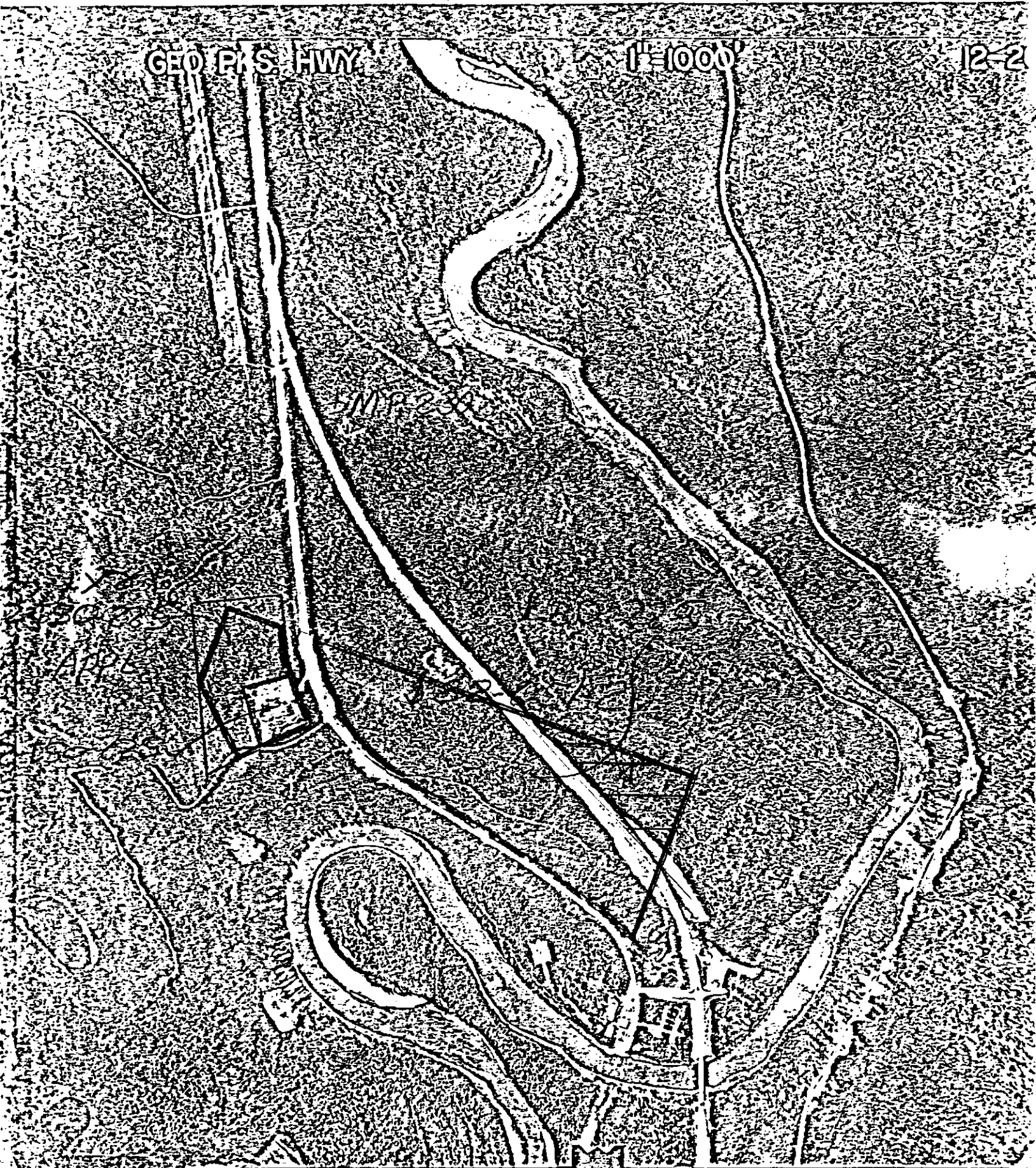
2. *MS 522-087-2 (new pit No.) described as Lot 2, USS 5566 Ch-Res C. Note that there are several reserved areas in the S.E. corner of Lot 2, i.e., M. clearing 280, Lse Apin 402471 and NE-82-057. The present highway alignment is not shown on the status sheets. My red line Lot 2 on the air photo is approximate and the red cross hatched area would be mined first. Use the standard cross section for an alluvial source w/o water table for the application.*



GEO. PK'S. HWY.

1"=1000'

12-2



USS 554665  
LOT 50 ACRES

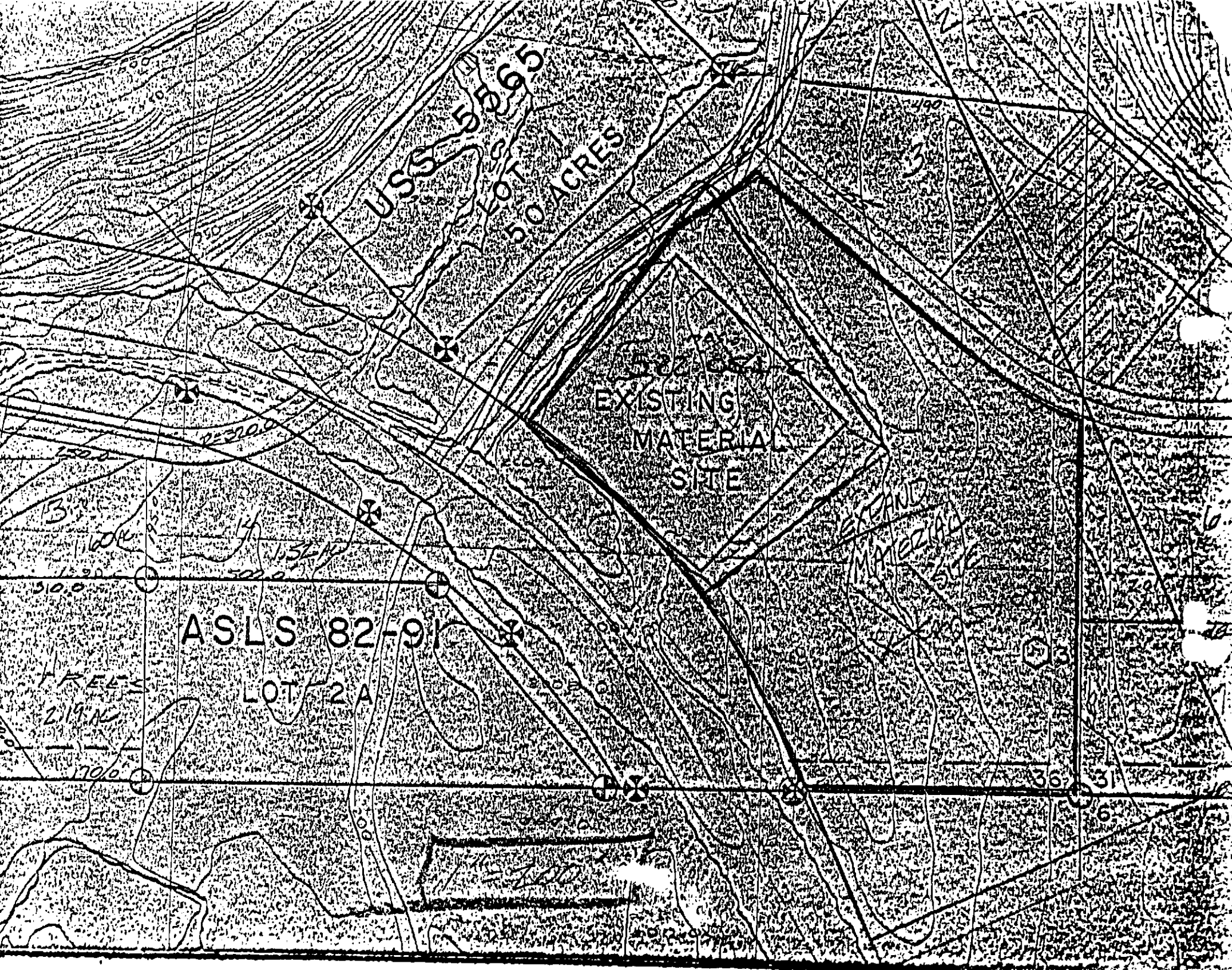
EXISTING  
MATERIAL  
SITE

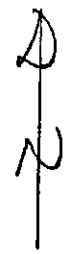
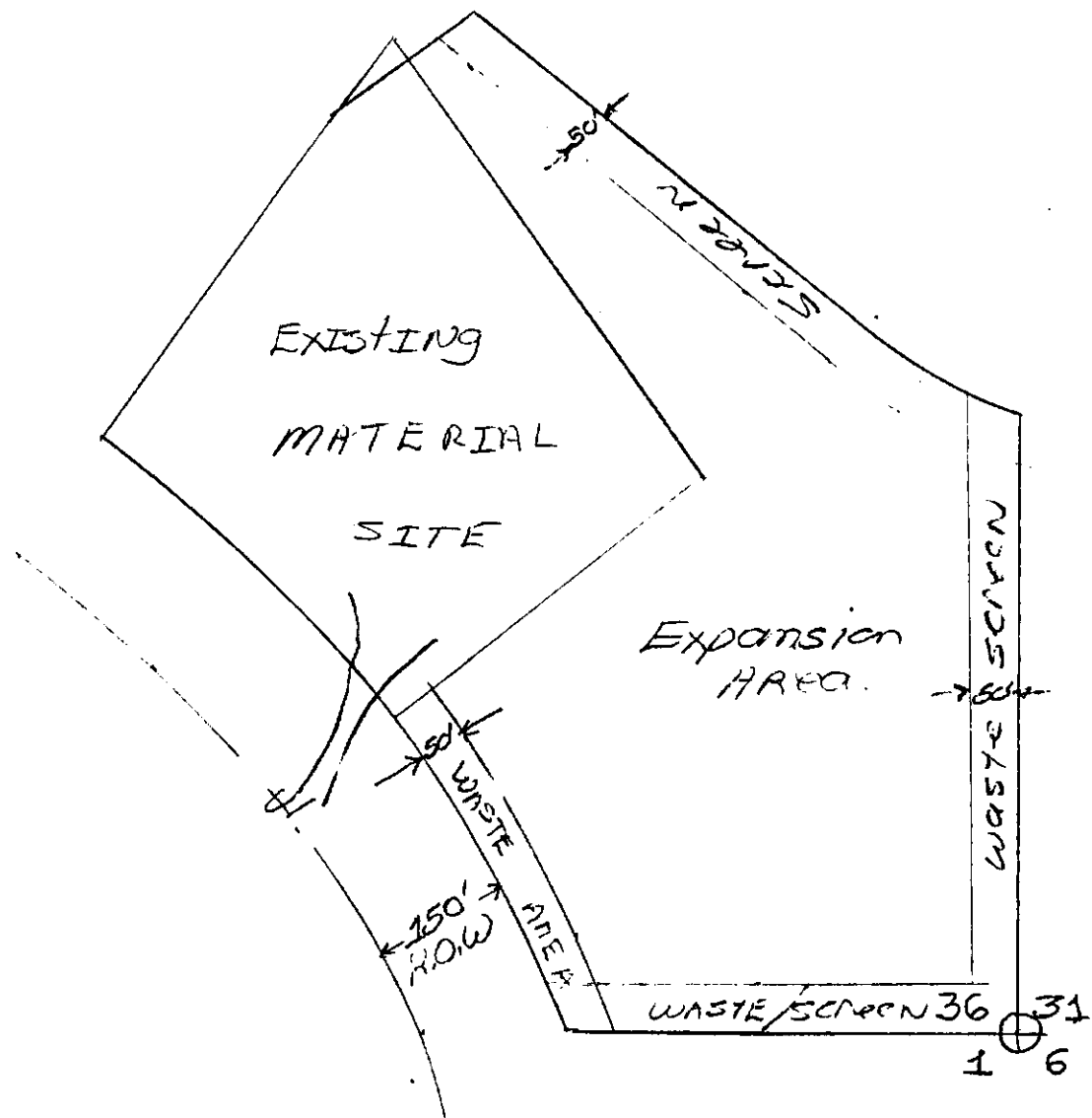
EXPAND  
MATERIAL  
SITE

ASLS 82-91

LOT 2A

TREES  
219 AC





Scale 1" = 200'

300c/24  
LMB

# MEMORANDUM

# State of Alaska

TO: Mike Tinker  
Environmental Coordinator  
Northern Region

FROM: Brian L. Gannon  
Environmental Assistant  
Northern Region

DATE: October 11, 1984

FILE NO:

TELEPHONE NO: 452-1911, ext. 282

SUBJECT: Cultural Resources Survey  
of M.S. 52-2-051-2  
Project E-88632

Per recommendation by the State Historic Preservation Officer, M.S. 52-2-051-2 was investigated for cultural resources on October 3, 1984, prior to proposed testing and mining of gravel. The survey was conducted by Wayne Wiersum (DOT/PF Archeologist) and Brian Gannon (DOT/PF Environmental Assistant).

M.S. 52-2-051-2 comprises parts of Lots 2 and 3 on a river terrace remnant between the Nenana River and the new Parks Highway, immediately south of McKinley Village. It is moderately brushy and forested with birch, aspen and some spruce. The terrain varies from steep to flat.

The survey area was accessed from the campground on the north side of the site and covered in a series of on-foot traverses. The southern boundary was identified by a bench mark (Lot 2/3) and associated brush cut.

Survey methodology consisted of investigating specific areas or features that appeared extraordinary and surface/shovel testing certain areas that were felt to have some cultural resource potential. Other test holes were placed at random throughout the project area.

A few bark stripped birch trees and some modern recent camp fire remnants and litter was all that was noted. Some of this may be associated with construction of the new Parks Highway. Subsurface evidence of a 10-15 year old burn was present and supported by scattered charred snags and new growth.

No cultural resources (archeologic or historic) were identified on this survey that would be impacted by the project and there was agreement that the on-site cultural resource potential, generally, was moderately low. As such, a verbal clearance to proceed with testing/mining was given in the field to Gary Brazo (DOT/PF Geologist). A formal clearance will be forthcoming.

dw

cc: Hal Livingston (DOT/PF Regional Geologist)  
Wayne Wiersum (DOT/PF Archeologist)

# STATE OF ALASKA

BILL SHEFFIELD, GOVERNOR

## DEPARTMENT OF NATURAL RESOURCES

DIVISION OF PARKS AND OUTDOOR RECREATION

September 19, 1984

Re: 1120-10

Subject: Material Source 52-2-051-2 - Testing and Mining  
Project No. E88632

225A CORDOVA STREET  
ANCHORAGE, ALASKA 99501  
PHONE: (907) 276-2653

MAILING ADDRESS:  
POUCH 7001  
ANCHORAGE, ALASKA 99510

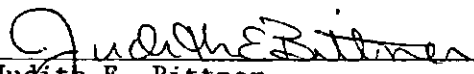
Mike Tinker  
Environmental Coordinator  
Department of Transportation  
and Public Facilities  
2301 Peger Road  
Fairbanks, Alaska 99701

Dear Mr. Tinker:

STATE HISTORIC PRESERVATION OFFICER

Our information indicates that this area has moderate potential for cultural resources. The project area is not very far from the Dry Creek Site, a very old and significant prehistoric cultural resource. There are also several other significant cultural resource sites in the area.

The proposed Material Site should be surveyed for cultural resources prior to the Testing and Mining Project.

  
\_\_\_\_\_  
Judith E. Bittner  
State Historic Preservation Officer


STATE PARK PLANNING

No comment.

LAND AND WATER CONSERVATION FUND GRANT PROGRAM

No comment.

Sincerely,

  
For Neil C. Johannsen  
Director

**MEMORANDUM** (Brief Communications)

State of Alaska

TO:	Name <i>LEE SAYLOR</i>	Dept./Div./Sect. <i>LOCATION</i>	Mail Stop
	Name <i>HAL LIVINGSTON</i>	Dept./Div./Sect. <i>GEOLOGY</i>	Telephone <i>246</i>
FROM:	SUBJ.: <i>M. S. Survey</i>		Date <i>4-28-84</i>

Attached are the status plats and survey instructions for the potential M.S. near McKinley Village. Please work this into your schedule so that we can get the drilling done this summer. Lots 2 & 3 should be located.

*Hal*





**MEMORANDUM** (Brief Communications)

State of Alaska

TO:	Name	SHARI HOWARD	Dept./Div./Sect.	R.O.W.	Mail Stop
	Name	Hal Livingston	Dept./Div./Sect.	GEOLOGY	Telephone
FROM:					246
SUBJ.:	M.S. Survey			Date	3-8-84

Please obtain a copy of the status sheet for the area in the vicinity of McKinley Village - specifically Tract "A", and surroundings within  $\frac{1}{2}$  mile, ALSS B3-194 T14S R7W Sec 36 F.M.

We intend to do some recon. drilling in the area and prefer not to trespass on private or Native Corp. property.

Hal



# MEMORANDUM

State of Alaska

*Hal Livingston*  
DOT

DEPARTMENT OF NATURAL RESOURCES - DIVISION OF LAND AND WATER MANAGEMENT  
NORTHCENTRAL DISTRICT OFFICE - 4420 AIRPORT WAY, FAIRBANKS, ALASKA 99701

TO:

File

DATE:

March 8, 1984

FILE NO:

TELEPHONE NO:

479-2243

FROM:

Chris Guinn *Plu*  
Chief, Disposals Section

SUBJECT:

Village View  
Subdivision Material  
Site

At a public meeting held at McKinley Park to discuss the Village View Subdivision on 3/6/84, the local residents felt the existing material site and its proposed expansion offered conflicts with the proposed residential subdivision. Those attending felt the state should be thinking ahead to the day when the material site has to be abandoned. Many felt that when the site is eventually abandoned, DOT/PF should leave it in a manner which is useable by the local community i.e., additional public buildings.

On 3/8/84 I discussed the local residents' feelings with Hal Livingston, DOT/PF - Materials Lab. Sounded like he has dealt with this situation a lot and he quickly got two steps ahead of me.

I had indicated that the Division of Land & Water Management is not going to sell Tract A and that perhaps it would make a good future material source. Further, because the unique quality of the material from the existing pit I felt DOT/PF should be allowed to continue operating the pit until such time as local feeling indicates they should abandon it.

Hal has a lot of experience in dealing with local residents on the subject of gravel pits. Both Hal and I don't expect DOT/PF to hang on to the existing site "against all odds." Hal indicated DOT/PF would remove the material down to the 20' level (its at 15' now), including the expansion area. This should leave a very useable community site. Hal also thought that DOT/PF could begin defining the boundaries of the backup site (Tract A) next summer. We both expect there will be exploration in the adjacent section to the west also.

cc: Jack Kerin  
Hal Livingston

HCG/sh

3-8-84

M.S. 52-2-051-2

This site should have a stipulation in its use that the depth be limited to 15 to 20 feet and that it be left in a smooth condition. There may be a secondary use as a residential area or other community use.

Hal

**MEMORANDUM** (Brief Communications)

State of **Alaska**

TO:	Name	SHARI HOWARD	Dept./Div./Sect.	R.O.W.	Mail Stop	2553
	Name	M. GAHEK	Dept./Div./Sect.	MATERIALS	Telephone	237
FROM:	SUBJ.: M.S. 52-2-051-2				Date	30 JAN 84

Apply for the AREA shown in Red on the attached. Don't show any screens. Use MINING plan for GRAVEL without WATER TABLE for 150,000 yd<sup>3</sup>. the description will probably have to come from ADL's plat for the subdivision.

USS 5865  
LOT 1  
50 ACRES

EXISTING  
MATERIAL  
SITE

EXPAND  
MATERIAL  
SITE

ASLS 82-91  
LOT 2A

B  
1.600  
1.510  
310.0  
FRS  
2.19 AC



20120

STATE OF ALASKA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF LAND AND WATER MANAGEMENT

ADL 408733

XXX

Northcentral District  
4420 Airport Way  
Fairbanks, Alaska 99701  
(907) 479-2243

Southcentral District  
Pouch 7-005  
Anchorage, Alaska 99510  
(907) 276-2653

Southeastern District  
230 S. Franklin, Room 407  
Juneau, Alaska 99801  
(907) 465-3400

NEGOTIATED MATERIAL SALE CONTRACT

Under AS 38.05.110-38.05.120 (Disposal of Timber and Materials), AS 38.05.125 and AS 38.05.315(a) and the regulations implementing these statutes, the State of Alaska, the seller, agrees to sell, and The Department of Transportation & Public Facilities, the buyer, whose address is 2301 Peger Road, Fairbanks, AK 99701, agrees to buy, the material designated in this contract, subject to the provisions which follow:

1. Description: Location, Material, Quantity, and Price. (a) The material sale area covered by this contract consists of approximately N/A acres described as follows: within Section 36, Township 14 South, Range 7 West, Fairbanks Meridian; the area designated by F-029734. *MS 522-051-2*

This area is further designated by the boundaries shown on the attached sale area map, which is made a part of this contract, or as designated on the ground by the seller.

(b) The material to be removed and the price are:

<u>Kind of Material</u>	<u>No. of Units</u>	<u>Unit Price</u>	<u>Total Price</u>
Pit run gravel	80,640 c.y.	\$0.00	\$0.00

2. Payments and Deposits. No part of the materials sold under this contract may be extracted from the sale area by the buyer except in accordance with the following terms:

(a) The buyer shall remit an initial payment in the amount of 10 percent of the total purchase price at the time he signs this contract.

(b) The seller shall retain on deposit the initial payment required by paragraph 2(a), to be applied in whole or in part to the final payment which becomes due under this contract. Additional periodic installment payments as required in paragraph 2(c) must be made for material extracted as of the date payment becomes due but may not exceed the total purchase price.

(c) Each periodic installment payment becomes due and payable on NA, without prior notice to the buyer, for the value of material extracted as of that date. The installment must be based on records required in paragraph 3 of this contract and must be submitted to the seller no later than the fifth working day following the date the installment is due.

(d) A final accounting and payment for material removed must be made no later than NA following contract completion or termination of the contract by the seller or by operation of law. Whether completion is satisfactory will be decided by the Director of the Division of Land and Water Management within NA after receiving the final accounting report.

(e) If the buyer fails to make a payment provided for in this contract, the seller may, under paragraph 8(b) of this contract, order all material extraction suspended immediately. Materials extracted by the buyer during any period of suspension are considered taken in trespass and are to be charged to and paid for by the buyer at triple the unit contract price. Resumption of the lawful taking of materials may be authorized, in writing, by the Division of Land and Water Management only after the payments in arrears plus the penalty provided for in paragraph 2(f) have been made.

(f) A late-payment penalty equal to one and one-half percent of the amount due will be assessed for each month, or portion thereof, of any period a payment is delinquent.

(g) All payments and deposits must be remitted to the Division of Land and Water Management and must be made payable to the Alaska Department of Revenue.

(h) If the total amount of materials covered by this contract is not extracted, the money on deposit may become forfeited in the seller's discretion as liquidated damages in an amount not to exceed the seller's total entitlement under this contract, or the seller shall receive the measure of actual damages to the seller, at the seller's election.

(i) Special Provisions. The following special provisions also apply to payments and deposits under this contract: none

3. Method of Volume Determination. (a) The method of volume determination for purposes of payment under this contract is:

(1) The method of volume determination for payment purposes shall be on the basis of an in-place cubic yard or by in-place measurements at the points of use.

(2) All measurements will be made by or under the direct supervision of a qualified engineer with quantities certified thereto by the engineer.

(3) Accounting of the quantity used will be designated by the type of use, i.e.,

Road	Identity	Location	Quantity
Pad	Identity	Location	Quantity
Field Gathering Station	Identity	Location	Quantity
Other:			

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(4) The Purchaser shall keep adequate records of all materials severed, extracted or removed. Such records are subject to verification by check measure and/or inspection of the Purchaser's books.

(5) The Purchaser shall submit the information from (c) above to 4420 Airport Way, Fairbanks, Alaska for computation of payment due.

(b) The buyer shall keep accurate and up-to-date records of all materials extracted. These records are subject to verification by check measure and inspection of the buyer's books by the seller at any time without notice.



(c) Special Provisions. The following special provisions also apply to volume determinations under this contract: none

4. Operating Requirements. (a) Boundary Lines and Survey Monuments. No boundary mark of the sale area nor any survey line or witness tree for any survey corner or monument, may be severed or removed, nor may any survey corner or monument be damaged or destroyed. Any violation of this clause requires the buyer to bear the expense of re-establishing the line, corner, or monument by a registered surveyor in a manner approved by the seller.

(b) Standard of Operations. The buyer shall properly locate himself and his improvements within the sale area, and may not commit waste, whether ameliorated or otherwise. In addition to complying with all laws, regulations, ordinances, and orders, the buyer shall maintain the land in a reasonably neat and clean condition, and shall take all prudent precautions to prevent or suppress grass, brush, or forest fires, and to prevent erosion or destruction of the land.

(c) Erosion Control and Protection of Waters. Road construction or operations in connection with this contract must be conducted so as to avoid damage to streams, lakes, or other water areas and land adjacent to them. Vegetation and materials may not be deposited into any stream or other water area. Locations and improvements necessary for stream crossings for haul roads must be approved in advance by the seller. All roads to be abandoned must be treated with measures necessary to prevent erosion in a manner acceptable to the seller. Any damage resulting from failure to perform these requirements must be repaired by the buyer to the satisfaction of the seller. This includes waters defined in 5 AAC 95.010-5 AAC 95.050, Protection of Fish and Game Habitat.

(d) Fire Protection. The buyer shall take all necessary precautions for the prevention of wild fires and is responsible for the suppression, and must bear the suppression costs, of all destructive or uncontrolled fires

occurring in or outside the sale area result from any of the buyer's operations under this contract. The buyer shall comply with all laws, regulations, and ordinances promulgated by all governmental agencies responsible for fire protection in the area.

(e) Roads. Before constructing any mainhaul, secondary, or spur road across state land, the buyer shall obtain written approval of the proposed location and construction standards of the road from the seller.

(f) Supervision. The buyer shall maintain adequate supervision at all times when operations are in progress to insure that the provisions of this contract and all applicable federal, state, and local laws, regulations, and ordinances governing the operations are enforced. At all times when operations are in progress, the buyer or a person authorized by him to assume the responsibilities imposed by this contract, shall be present on the sale area.

(g) Agents. The provisions of this contract apply with equal force upon an agent, employee, or contractor designated by the buyer to perform any of the operations relating to extraction of the materials sold under this contract. The buyer is liable for noncompliance caused by any such agent, employee, or contractor.

(h) Location. The buyer is responsible for the accurate location of operations under this contract, including any survey that may be necessary for accurate location unless otherwise specified in this contract.

(i) Access. The seller makes no representations that it will construct or maintain access to the land. Access over any route not under the seller's control is the responsibility of the buyer. The buyer agrees that any permanent access or right-of-way obtained over privately owned property will provide a permanent easement to the seller.

(j) Special Provisions. The following special provisions also apply to operations under this contract: see attached

5. Indemnity of Title and Bonding. (a) The seller shall indemnify and hold the seller harmless from

(1) all claims and demands for loss or damage, including property damage, personal injury, wrongful death, and wage or employment claims, arising out of or in connection with the use or occupancy of the land or operations by the buyer or his successors, or at his invitation; and

(2) any accident or fire on the land; and

(3) any nuisance on the land; and

(4) any failure of the buyer to keep the land in a safe and lawful condition consistent with applicable laws, regulations, ordinances, or orders; and

(5) any assignment, sublease, or conveyance, attempted or successful, by the buyer which is contrary to the provisions of this contract.

The buyer will keep all goods, materials, furniture, fixtures, equipment, machinery, and other property on the land at his sole risk, and will hold the seller harmless from any claim of loss or damage to them by any cause.

(b) At the seller's discretion a buyer may be required to file a bond designed to insure the buyer's performance and to help protect the seller against any liability that may arise as a result of the activities of the buyer. A bond acceptable to the seller in the amount of \$ NA must be filed with the seller at the time of execution of this contract to insure the buyer's performance and financial responsibility.

6. Improvements and Occupancy. (a) Any improvements or facilities including crushers, mixing plants, buildings, bridges, roads, etc., constructed by the buyer in connection with this sale and within the sale area must be in accordance with plans approved by the seller.

(b) The buyer must, within 60 days after contract completion or termination of the contract by the seller or by operation of law, remove his equipment and other personal property from the sale area. After removal, the buyer must leave the land in a safe and clean condition which is acceptable to the seller. If the buyer can demonstrate undue hardship, the time for removal of the improvements under this paragraph may be extended at the seller's discretion.

(c) If any of the buyer's property having an appraised value in excess of \$10,000, as determined by the seller, is not removed within the time allowed, that property may, upon 30 days notice to the buyer, be sold at public auction under the direction of the seller. The proceeds of the sale will inure to the buyer after satisfaction of the expense of the sale and deduction of all amounts then owed to the seller. If there are no other bidders at the sale, the seller may bid on the property, and the seller will acquire all rights, both legal and equitable, which any other purchaser could acquire through a sale and purchase.

(d) If any of the buyer's property having an appraised value of \$10,000 or less, as determined by the seller, is not removed within the time allowed, title to that property automatically vests in the seller.

(e) Special Provisions. The following special provisions also apply to improvements and occupancy under this contract: NA

7. Inspection. (a) The seller must be accorded access, at all times, to the sale area and to the books and records of the buyer, his contractors, and any sub-contractors relating to operations under this contract for purposes of inspection to assure the faithful performance of the provisions of this contract and other lawful requirements.

(b) At all times when construction or operations are in progress, the buyer shall have a representative readily available to the area of operations who is authorized to receive, on behalf of the buyer, any notices and instructions given by the seller in regard to performance under this contract, and to take appropriate action as is required by this contract.

8. Termination and Suspension. (a) The seller may terminate the buyer's rights under this contract if the buyer breaches the contract and fails to correct this breach within 30 days after written notice of the breach is served upon the buyer.

(b) If the buyer fails to comply with any of the provisions of this contract, the seller may shut down the buyer's operations upon issuance of written notice, until corrective action, as specified by the seller in its notice, is taken. If this corrective action is not taken within 30 days after written

notice is served on the buyer, the seller may terminate the contract under paragraph 8(a) of this contract. The buyer's failure to take immediate corrective action when ordered to remedy dangerous conditions or unwarranted damage to natural resources may be corrected by the seller to prevent danger or additional damage. Any cost incurred by the seller as a result of this corrective action, or by the buyer's failure to take corrective action, must be paid by the buyer.

(c) This contract may also be terminated by mutual agreement of both parties on terms agreed to in writing by both parties.

9. Reservations. The seller reserves the right to permit other compatible uses, including the sale of materials, on the land in the sale area if the seller determines that those uses will not unduly impair the buyer's operations under this contract. Under AS 38.05.125 the seller further expressly reserves to itself, and its successors, forever,

(a) all oil, gas, coal, ores, minerals, fissionable materials, geothermal resources, and fossils of every kind, which may be in or upon the land described above, or any part of it; and

(b) the right to explore the land for oil, gas, coal, ores, minerals, fissionable materials, geothermal resources, and fossils; and

(c) the right to enter by itself or its agents, attorneys, and servants on the land, or any part of it, at any time for the purpose of opening, developing, drilling, and working mines or wells on this or other land and taking out and removing from it all oil, gas, coal, ores, minerals, fissionable materials, geothermal resources, and fossils; and

(d) the right by itself or its agents, attorneys, and servants at any time

(1) to construct, maintain, and use all buildings, machinery, roads, pipelines, powerlines, and railroads;

(2) to sink shafts, drill wells, and remove soil; and

(3) to occupy as much of the land as may be necessary or convenient for these purposes; and

(e) generally all rights to and control of the land, which are reasonably necessary or convenient to make beneficial and efficient the complete enjoyment of the property and rights which are expressly reserved.

10. Inclusion of Applicable Laws and Regulations. The buyer shall comply with all laws and regulations applicable to operations under this contract, including the Alaska Fire Control Act, the provisions of AS 38.05.110 - 38.05.120, material sale regulations 11AAC Chapter 71, state fish and game regulations pertaining to the protection of wildlife and wildlife habitat, and state regulations pertaining to safety, sanitation, and the use of explosives. These laws and regulations are, by this reference, made a part of this contract, and a violation of them is cause for termination or suspension of this contract in addition to any penalties prescribed by law. These laws and regulations control if the terms of this contract are in conflict with them in any regard.

11. Assignment. This contract may not be assigned to the buyer without the seller's prior written consent to the assignment.

12. Permits. Any permits necessary for operations under this contract must be obtained by the buyer before commencing those operations.

13. Passage of Title. All right, title and interest in or to any material included in the contract shall remain in the State until it has been paid for; provided however that the right, title and interest in or to any material which has been paid for but not removed from the sale area by the buyer within the period of the contract or any extension thereof as provided for in this contract shall vest in the seller.

14. Expiration and Extension. This contract expires June 16, 1988 unless an extension is granted by the seller in accordance with 11 AAC 71.210 (Material Sale Regulations).

15. Warranties. This sale is made without any warranties, express or implied, as to quantity, quality, merchantability, profitability, or fitness for a particular use, of the material to be extracted from the area under contract.

16. Valid Existing Rights. This contract is entered into and made subject to all valid existing rights, including easements, rights-of-way, reservations, or other interests in land, in existence on the date the contract is entered into.

17. Notices. All notices and other writings required or authorized under this contract must be made by certified mail, postage prepaid, to the parties at the following address:

To the Seller: Alaska Division of Land and Water Management  
Address which is checked on page 1 of this contract

To the Buyer: DOT&PF  
2301 Peger Road  
Fairbanks, Alaska 99701

18. Integration and Modification. This contract, including all laws and documents which by reference are incorporated in it or made a part of it, contains the entire agreement between the parties.

This contract may not be modified or amended except by a document signed by both parties to this contract. Any amendment or modification which is not in writing, signed by both parties, and notarized is of no legal effect.

19. Severability of Clauses of Sale Contract. If any provision of this contract is adjudged to be invalid, that judgment does not affect the validity of any other provision of this contract, nor does it constitute any cause of action in favor of either party as against the other.

20. Construction. Words in the singular number include the plural, and words in the plural number include the singular.

21. Headings. The headings of the numbered paragraphs in this contract shall not be considered in construing any provision of this contract.

22. "Extracted", "Extraction". In this contract, use of the terms "extracted" and "extraction" encompasses the severance or removal, as well as extraction, by the buyer of any materials covered by this contract.

23. Waiver. No agent, representative or employee of the seller has authority to waive any provision of this contract unless expressly authorized to do so in writing by the director of the Division of Land and Water Management.

BY SIGNING THIS CONTRACT, the State of Alaska, as seller, and the buyer, agree to be bound by its provisions as set out above.

BUYER:
<u>Gerald Cameron</u> Regional Chief Right of Way Agent, DOT/PP
Address
2301 Peger Road
Fairbanks, Alaska 99701

SELLER: STATE OF ALASKA
By: <u>Gerry Arbio</u> <u>Acting District Manager 7/26/83</u> Director, Division of Land and Water Management
APPROVED:
Commissioner Department of Natural Resources

STATE OF ALASKA )  
) ss.  
4th Judicial District )

This is to certify that on July 26, 1983, before me appeared Gerry Arbio known by me to be the Acting District Manager of the Division of Land and Water Management, Department of Natural Resources, and who executed this Negotiated Material Sale Contract voluntarily signing it on behalf of the State of Alaska as seller.

Donna Rieo  
Notary Public in and for the State of Alaska  
My commission expires: ~~7/26/83~~ 3/1/86

STATE OF ALASKA )  
) ss.  
4th Judicial District )

This is to certify that on JULY 22, 1983, before me appeared HARDID A. CAMERON known by me to be the person named in and who executed this Negotiated Material Sale Contract and acknowledged voluntarily signing it as buyer.

DO Bann  
Notary Public in and for the State of Alaska.  
My commission expires: 1900/88



CERTIFICATE OF CORPORATE BUYER

(If the Buyer is a Corporation)

I, \_\_\_\_\_, certify that I am the Secretary of the corporation named as buyer in this contract and that \_\_\_\_\_, who has signed this contract is(was) at the time of signing the contract the \_\_\_\_\_ of that corporation, and that he(she) did so for and on behalf of the corporation at the direction and by the authority of the corporation's governing body acting within the scope of its corporate powers.

\_\_\_\_\_  
Corporate Seal

\_\_\_\_\_  
Secretary

STATE OF ALASKA            )  
                                  )ss.  
\_\_\_\_ Judicial District    )

This is to certify that on \_\_\_\_\_, 19\_\_\_\_, before me appeared \_\_\_\_\_ known by me to be the Secretary of the corporation named as buyer in this contract and who acknowledged voluntarily signing as Secretary of the corporation.

\_\_\_\_\_  
Notary Public in and for the State of Alaska.  
My commission expires: \_\_\_\_\_

Special Conditions of ADL 408733  
Gravel Extraction

(1) No material removals are authorized under this permit unless in accordance with the approved mining plan and Special Conditions of the permit. The Special Conditions of the permit shall take precedence over the approved mining plan should there exist a contradiction between said mining plans and Special Conditions.

(2) The following information, if not previously submitted, will be required by the Division of Land and Water Management prior to approval.

- a. Aliquot part or other description of the material site area.
- b. The intended uses for the material.
- c. The location of use.
- d. The time interval in which removal will be made.
- e. The method and manner of removal.
- f. The estimated quantities of material.
- g. Stockpiling of materials.

(3) Overburden removed from the areas to be mined shall be stockpiled and/or used as cover for debris and restoration work, as directed by the Division of Land and Water Management.

(4) If ground water is encountered during the material extraction and if dewatering is employed, an effluent permit must be obtained from the Department of Environmental Conservation.

(5) Depth of mining shall not exceed the specifications of the mining plan.

(6) Wastewater from gravel washing operations (should they be used) must meet State Standards before being discharged to a river.

(7) Fuel or motor oil storage areas shall be located where spilled fuel or motor oil could easily be contained and retrieved.

(8) The Division of Land and Water Management reserves the right to suspend removal operations from this material site and to designate alternate sites.

(9) Upon completion of mining activities, rehabilitation and restoration of disturbed areas not designated for future use will be required.

(10) Final Slopes of the pit shall be no steeper than one (1) foot vertical to five (5) feet horizontal from a water depth of at least five (5) feet below the seasonal low water level to the seasonal high water level.

(11) The site shall be graded smooth after completion of the mining operation.

(12) Timber less than six inches in diameter, brush, and slash shall be disposed of as directed by the Division of Land and Water Management.

(13) Marketable timber (6" DBH and larger) will be salvaged. The timber will be felled with conventional logging methods, limbed, topped at 4" diameter, and stacked in an accessible area. The stacked logs shall not be mixed with other clearing debris. Title to the timber shall remain with the State. Timber salvage operations are to be coordinated with the State Area Forester. The Area Forester may, in writing, waive salvage requirements.

(14) This permit does not obviate nor preclude the necessity to obtain other permits that may be required by law or regulation.

For those material sites located on shore or tidelands (State land acquired pursuant to the Submerged Lands Act) the following stipulations also apply:

(15) Alaska water quality standards as promulgated in 18 AAC 70 will be maintained.

(16) Equipment shall not operate in flowing water without written authorization from the Division of Land and Water Management.

(17) There shall be no river diversion, channelization or bank modification without written authorization from the Division of Land and Water Management.

(18) Depth of mining shall not exceed the specifications of the mining plan or be conducted to a depth that could induce channel changes or create ponded areas.

(19) To prevent fish entrapment, the site shall be graded smooth after completion of mining operations.

(20) Gravel shall not be stockpiled within the flood plain.

(21) Summer mining operations must be conducted during low flood periods.

(22) Spoil from processing operations and sediments from settling basins must be removed from the flood plain to an approved disposal site prior to freeze-up.

(23) Dikes, material stockpiles, drainage structures, and settling basins must be removed from the active flood plain prior to freeze-up unless approval to the contrary is acquired in writing from the Division of Land and Water Management.

(24) Fuel or motor oil storage areas shall not be located on the active flood plain; such storage areas shall be located where spilled fuel or motor oil could easily be contained and retrieved. Refueling of equipment shall not occur on the active flood plain of a river.

(25) To prevent concentrated removal which could cause localized severe upstream and/or downstream scour, extraction shall be limited to 75,000 cubic yards per year from any area with maximum dimensions of 500 feet laterally (across the river), and 2,000 feet longitudinally (parallel with the river flow).

(26) Extraction in the protected (inactive flow channel) area downstream of any existing or proposed dikes which are part of a levee protection system will not be permitted.

(27) Extraction in areas where such activity will diminish the integrity of any approved river training structures is not permitted.

Hal, Very Important

16 June 83

3:30 PM

Hal;

Jack Keren thru Shari Howard let us know that the A.D.L. is surveying some land for disposal near Mc Kinley Village and MS 522-051 on the Parkes HWY. He said that if we wanted to expand -051- to give him the details ASAP (yesterday)

-051 is part of a larger -067 that you explored in '62. We do not have a permit on -067.

Not knowing anything else about -067- (past use, land status, etc), I asked for -051- to be expanded to the limits of -067-, per the attached sketch.

Should you know anything about -067- that would make such an expansion undesirable please call Shari or preferably Jack.

SMB

DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

*McKinley pit*  
*MS 522-057-2*

Right of Way Section

Re: *McKinley Park Community* *1,000 ay* Date: *5/17/93*

Please comment on the attached, FORWARD and return to Right of Way

RIGHT OF WAY: *McKinley is apply for 1,000 ay* Date: \_\_\_\_\_  
*material for 1993. DNR issued their permit last*  
*year because DOT did not respond in time.*

TECHNICAL SERVICES: *Hal* Date: *6-21-93*  
*No stockpiled material pit-run only. 500 yards from this site.*

*recommend they obtain the remaining*  
*needs from the Native owned pit nearby. One of these days the Natives*  
*are going to object to our competing with them and we will then have to*  
DESIGN: (HIGHWAY/AVIATION) *deny all requests of this nature. Hal* Date: \_\_\_\_\_

M&O: *Sealy* Date: \_\_\_\_\_

M&D CONSTRUCTION: *Cantwell* Date: *5-27-93*

*Please Require Applicant TO Notify Cantwell Foreman*  
*24 hrs before Hunting and after completion - Pit Run only*  
*NO processed material*

← PLANNING: Date: \_\_\_\_\_

~~AIRPORT LEASING:~~ Date: \_\_\_\_\_

PLS RETURN YOUR RESPONSE BY 6/1/93

DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Right of Way Section

Re: McKinley View Community  
1000 rejects from MS 52-24051-2

Date: 7/29/92

Please comment on the attached, FORWARD and return to Right of Way

RIGHT OF WAY: She community had phones Date: \_\_\_\_\_

installed and the roads got left in a real mess.  
Any objections to use of 1. the rejects or 2. pit run?

~~TECHNICAL SERVICES:~~ MATERIALS

Date: 8-5-92

There are no objections from materials but maintenance may have good use for these materials. They should have final say. Gaf

~~DESIGN: (HIGHWAY/AVIATION)~~ M:O HEALY

Date: \_\_\_\_\_

M&O CAUTWELL

Date: \_\_\_\_\_

~~CONSTRUCTION:~~

Date: \_\_\_\_\_

~~PLANNING:~~

Date: \_\_\_\_\_

~~AIRPORT LEASING:~~

Date: \_\_\_\_\_

DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Right of Way Section

Re: McKinley Park Community  
MS 52-2-051-2

Date: 6/30/92

Please comment on the attached, FORWARD and return to Right of Way

RIGHT OF WAY: Apparently, the telephone company messed up their roads pretty good. I told them I didn't know what M&O's needs of the project was, but this was the way to find out. Date: \_\_\_\_\_

TECHNICAL SERVICES: Hal Livingston:

Date: 7-1-92

Providing M&O agrees and only unneeded fines are involved there are no objections. Stripping waste for rehabing site should not be removed. Jfal

~~DESIGN: (HIGHWAY/AVIATION)~~

Date: \_\_\_\_\_

M&O: Healy:

Date: \_\_\_\_\_

~~CONSTRUCTION:~~ Cantwell M&O:

Date: \_\_\_\_\_

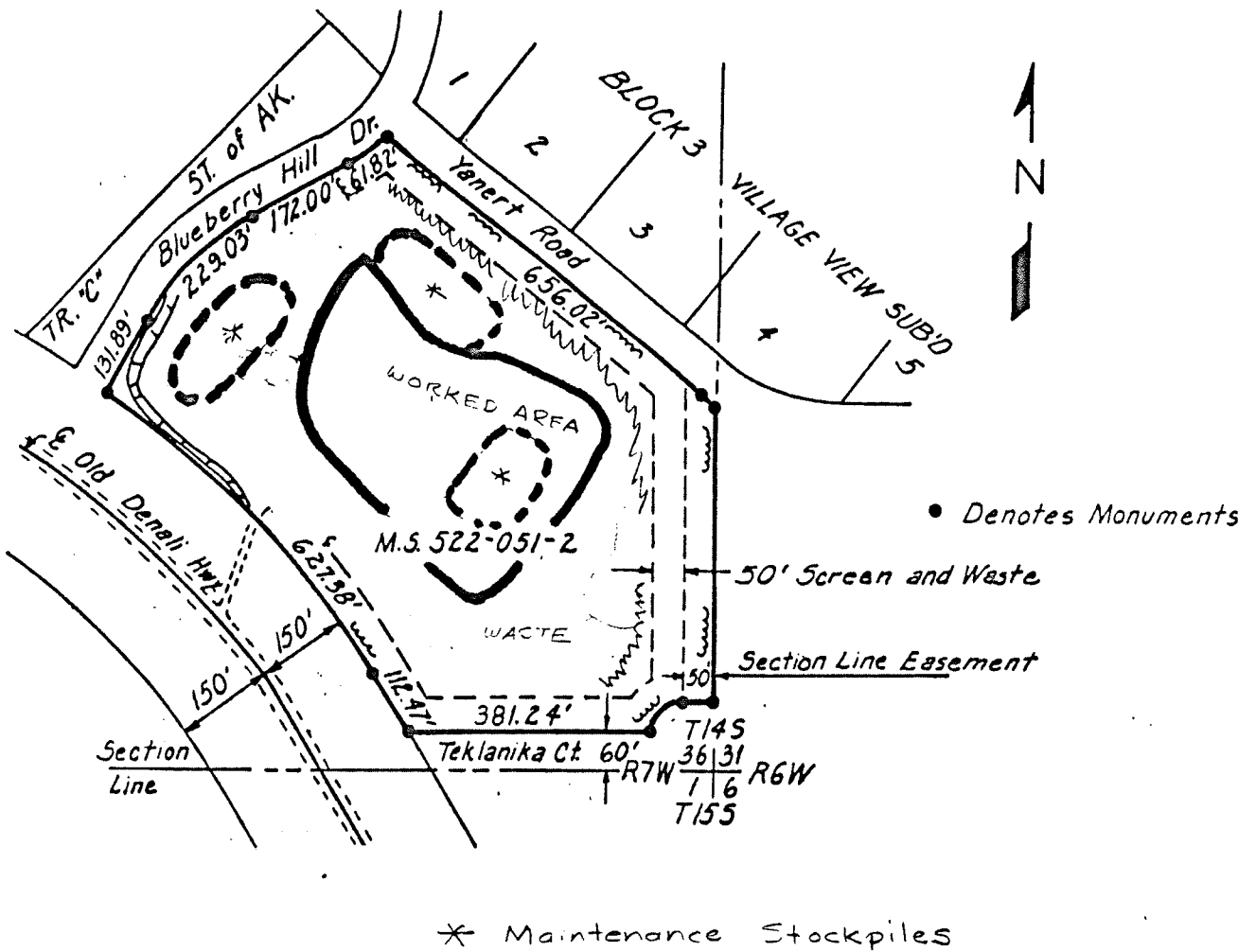
~~PLANNING:~~

Date: \_\_\_\_\_

~~AIRPORT PLANNING:~~

Date: \_\_\_\_\_





IR-OA4-3(4) McKinley Village to Dragonfly Creek  
Materials Summary

Borrow Type "A"	9,710.8 Tons
Subbase Grading "E"	7,231.3 Tons
Crushed Agg.	34,979.0 Tons
Asphalt Agg.	31,092.1 Tons
Drain Aggregate	1,207.6 CY
Stockpiles in Source	
Crushed Agg.	8,000 cy
Winter Sand	5,000 cy
"E" Chips	5,000 cy

DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Right of Way Section

Re: *Kilder*

*MS 522-051-2  
2,000 cy*

Date: *8/12*

Please comment on the attached, FORWARD and return to Right of Way

*Hal - problem*  
Right of Way: *This has been discussed often. Date: 8/12*  
*In order to protect DOT reserves, we have*  
*objected to any <sup>3rd party</sup> use until an adequate*  
*survey of the resource is compiled. Has our*  
*position changed?*

~~Technical Services~~ *No yardage of any material will* Date: \_\_\_\_\_  
*be removed from this site for any purposes whatever*  
*without the express permission of the ROW and Geology*  
*sections. The only permitted use for material from this site is*

~~Design:~~ *for highway construction. Driveways and* Date: *8-13-87*  
*parking lots will not be constructed using material*  
*from this material source. Hal Livingston*

~~M&O:~~ Date: \_\_\_\_\_

~~Construction:~~ Date: \_\_\_\_\_

Planning: Date: \_\_\_\_\_

# MEMORANDUM

## State of Alaska Department of Transportation & Public Facilities

TO: Jack Lambert  
Denali Area Superintendent

DATE: June 12, 1987

FILE NO: 474-2404

FROM: Shari Howard  
Right of Way Agent  
Northern Region

TELEPHONE NO:  
SUBJECT: Material Source  
52-2-051-2

In response to your letter regarding MS 52-2-051-2, Mr. Bulard is only one of many people who would like to purchase material from MS 52-2-051-2. He was aware last year, I believe, that there were reservations at the Department of Transportation (DOT&PF) about continuing use of that source by third parties.

A determination was made by the Materials Section that it is in the best interests of the department to not give non-objections to any permit at this time in this source to protect our future needs for maintenance and construction of the Parks Highway. As you know, sources are almost non-existent in the canyon north to Healy, and south of the park are now owned by Ahtna, Inc.

The DOT&PF and the Department of Natural Resources (DNR) are working to have this source surveyed for quantities, so a reserve can be established and future use can be monitored.

A decision will be made at that time by DOT&PF and DNR as to third party requests. Until that time, Mr. Bulard will have to purchase material from another source.

rp

cc: John Horn, M&O  
Jack Kerin, DNR  
Hal Livingston, Materials



# MEMORANDUM

State of Alaska

DEPARTMENT OF NATURAL RESOURCES - DIVISION OF LAND AND WATER MANAGEMENT  
NORTHERN REGION - 4420 AIRPORT WAY, FAIRBANKS, ALASKA 99709

TO: Robert Venusti  
Chief, Technical Services  
DOT/PF

DATE: February 17, 1987

FILE NO: ADL 412582

TELEPHONE NO: 479-2243

FROM: Jerry L. Brossia  
Regional Manager

SUBJECT: McKinley View  
Trespass

RECEIVED  
Northern Region

FEB 23 1987

Technical Services

CONFIDENTIAL

On February 6, Jack Kerin and Al Samet of our Materials Section met with DOT/PF personnel Ralph Swarthou, Don Benjamin and Mike Grahek to discuss the trespass and theft of state materials from a source known as the McKinley View Site. We believe this to be a particularly serious trespass considering the lack of availability of suitable material elsewhere in the area. The contractor, B&B Equipment, who allegedly committed the trespass and theft, has a documented history of this type of activity. As such, the DLWM intends to initiate civil and/or criminal proceedings against this company.

THIS IS A DOT/PF PIT

In order that we might be able to better determine the impact of this trespass and theft, we will require certain information from the DOT/PF.

1. A cadastral survey should be made of the present configuration of the site. As the DLWM will not allow entry into this site until the survey has been completed, the survey should be undertaken as soon as possible.
2. Individuals who are familiar with the site should visit the area so that a determination of the extent of material theft can be ascertained. A definable method of measurement, such as a surveyed cross section or other technique of objective appraisal to determine the volume of material abstraction, is preferred over non-quantitative methods.
3. An evaluation of any damage that may have resulted to the site as a result of this trespass by personnel familiar with the area is also essential. (A DOT/PF operator by the name of Steve Zigman talked with Al Samet in the field and is apparently knowledgeable about the material removal and the site configuration prior to the trespass.) Our field investigation of the site revealed a large pitted area with a sidewall slope ratio of approximately 1:1; undercut areas with potentially dangerous overhangs; overburden piles deposited over material reserves; etc. The DLWM intends to require that the site be rehabilitated to DOT/PF standards for safety and operation.

DNR will take care of this 2-24-87

DOT/PF project: 231-242 Wilder (Approx 80,000 yds from PIT THIS COMING YEAR)  
B&B took 30,000 yds (only 15,000 yds authorized?) For a private job.

# STATE OF ALASKA

## DEPARTMENT OF NATURAL RESOURCES

### DIVISION OF LAND AND WATER MANAGEMENT

BILL SHEFFIELD, GOVERNOR

NORTHERN REGION  
4420 AIRPORT WAY  
FAIRBANKS, ALASKA 99709-3896  
PHONE: (907) 479-2243

September 23, 1986

B & B Equipment  
P.O. Box 87  
Cantwell, Alaska 99729

Reference: ADL 412582

Dear Sir:

Your material sale, ADL 412582, is by this letter amended to authorize the extraction of up to 15,000 cubic yards of pit run material. All other terms and conditions of your contract remain unchanged.

Sincerely,

  
ROBERT E. CANNON  
Natural Resource Manager

DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Right of Way Section

Re: *Popo Agie - MS 52-2-051-2* Date: *6/12*  
*Upgrade permit to 5,000 cy*

Please comment on the attached, FORWARD and return to Right of Way

Right of Way: *Shull - - if they let us go* Date: *6/12*  
*deeper, can we let them get*  
*these roads built?*

Technical Services: *(Hal)* Phone conversation with *becklerin* Date: \_\_\_\_\_  
*on Jun 12, 1986 indicated ADL DNR was willing to permit utilization of*  
*this material source to a depth greater than 20', if they were unable to provide*  
*an alternate source for our long term needs. Providing one or the other of these*  
*courses of action is pursued to provide DOT & PF with adequate long term*  
~~Design:~~ *borrow needs, I see no objection to this use.* Date: *6-13-86*

*The applicant needs to be aware that a current project is going to*  
*be under construction and use this source. Mckinley to Dragonfly Paving.*  
*The contractor has first priority and the gravel applicant will have to work*  
*out an agreement with the contractor if gravel removal occurs during the*  
M&O: *(Dick Johnson)* *contract.* Date: \_\_\_\_\_

~~Construction:~~ Date: \_\_\_\_\_

Planning: Date: \_\_\_\_\_



BUILDERS & WOODWORKING

Box 71 - McKinley Park, Alaska 99755

5-28-86

Dept. of Natural Resources  
4420 Airport Way  
Fairbanks Ak 99701  
attn: Jack Kevin

We are requesting our permit for gravel (ADL 411336), This is for 1000 yds of pit run gravel, be upgraded to 5000 yds.

This additional amount of gravel is for road construction in the new ~~McKinley~~ Village View Subdivision.

This is really the same gravel that the subdivision people are requesting in the form of drive way permits.

Sincerely,

Stephen E. Jones

RECEIVED

MAY 29 11 57 AM '86

DIVISION OF LAND  
AND WATER MANAGEMENT

DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES

Right of Way Section

Re: POPO AGIE, INC.

Date: 5/2/86

MS 52-2-051-2

10004

Please comment on the attached, FORWARD and return to Right of Way

Right of Way: PROJECT PENDING?

Date: 5/2

PER CONVERSATION W/ HAL LIVINGSTON & JACK KERIN  
AND CONSIDERING THE EXPANSION OF THE SOURCE  
WAS OBTAINED, NO OBJECTION. IF CONTRACTOR (DOT  
IS 10 PIT, PERMITTEE MUST COORDINATE; ALSO NEEDS TO  
NOTIFY HEALY M&O PRIOR TO EXTRACTION

Technical Services:

Date: \_\_\_\_\_

No objection. SAME COMMENTS AS ROW. MES 6 MAY 86

Design:

Date: \_\_\_\_\_

M&O:

Date: \_\_\_\_\_

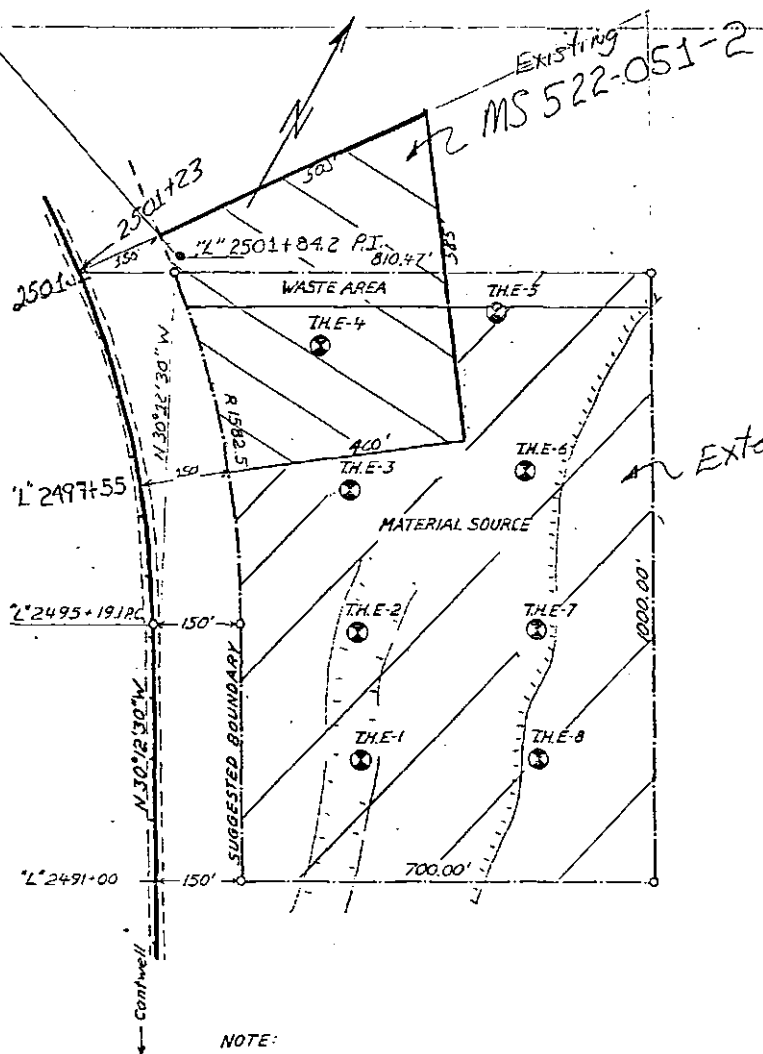
Construction:

Date: \_\_\_\_\_

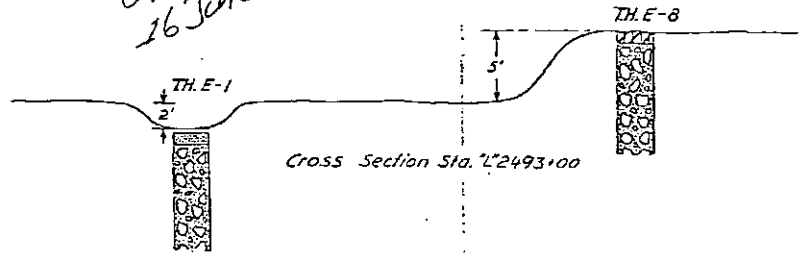
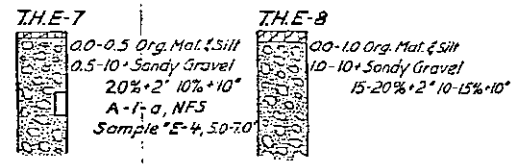
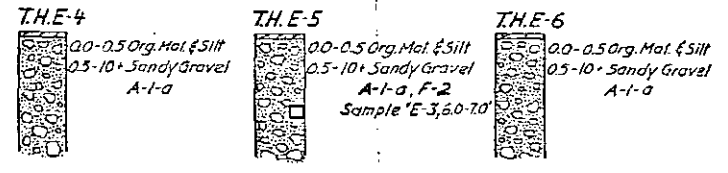
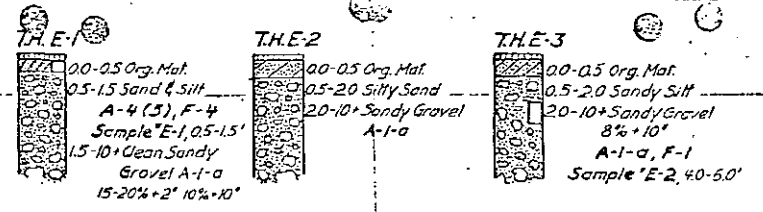
Planning:

Date: \_\_\_\_\_





NOTE:  
BOUNDARIES NOT SURVEYED



AMB  
16 June 83

QUANTITY: 419,400 yd<sup>3</sup>  
 QUALITY: A-1-a, NFS- F-2  
 OVERSIZE: 20% +2", 5-6% +10"  
 WATER TABLE: Not Seen In TH.  
 FROST: None  
 VEGETATION: Spruce, Birch & Burned Over Stumps  
 TOPOGRAPHY: Level, 5' Bench 1/4 Of Site E  
 MINERALOGY: Stream Gravels Consisting  
 Chiefly Of Limestone, Greenstone,  
 Rhyolite, Granite, Andesite

STATE OF ALASKA DEPARTMENT OF HIGHWAYS FAIRBANKS DISTRICT MATERIALS SECTION	
CANTWELL-MCKINLEY PROJECT No F-052-2(1)	
DATA: H.R.L.	M.S. CODE No: 22-336-63
DRAWN: H.A.N.	MAT. SITE NO: 'E'
DATE: 1-63	SCALE: 0 50 100 200'

F-052-2(1)-E-13.5

# MEMORANDUM

# State of Alaska

TO: Jerry Brossia  
District Manager  
Department of Natural Resources

DATE: December 8, 1982

FILE NO:

ATTN: Greg Young

TELEPHONE NO:

FROM: Alan H. Townsend <sup>@</sup>  
Interior Projects Review Coordinator  
Habitat Division  
Department of Fish and Game

SUBJECT: FUP - ADOT/PF as  
listed

The Department of Fish and Game has reviewed the Free Use Permit applications listed below and has comments as indicated:

1. No objection to the following material source requests:

711-002-2	ADL32713	Jack Warren Rd. area	1,450,000 cu. yd.
711-003-2	ADL36211	Jack Warren Rd. area	225,000 cu. yd.
711-004-2	ADL408562	Jack Warren Rd. area	650,000 cu. yd.
?	ADL408766	Nenana area	800,000 cu. yd.
?	ADL408768	Nenana area	800,000 cu. yd.
?	ADL408771	Fairbanks - Nenana	124,800 cu. yd.
?	ADL408770	Fairbanks - Nenana	226,560 cu. yd.
37-1-024-2	ADL408772	Fairbanks - Nenana	170,000 cu. yd.
?	ADL408736	Parks Highway	111,520 cu. yd.
670-086-2	ADL408709	Central area	3,000 cu. yd.
37-2-069-2	ADL408748	Nenana area	640,000 cu. yd.
?	ADL408755	Parks Highway	320,000 cu. yd.
?	ADL408885	Parks Highway	100,000 cu. yd.
711-008-2	ADL400781	Delta Junction area	105,000 cu. yd.
?	ADL408913	Alaska Highway	15,000 cu. yd.
37-1-044-2	ADL30743	Nenana area	150,000 cu. yd.
?	ADL408886	Parks Highway	480,000 cu. yd.
?	ADL408885	Parks Highway	112,000 cu. yd.

2. The following applications lacked specific locating information and could not be adequately reviewed for fish and wildlife conflicts. By copy of this memo we request ADOT/PF to provide the township, range, section and fraction there of for these material sources.

?	ADL408739	Parks Highway ?	249,760 cu. yd.
37-2-122-2	ADL408740	Parks Highway	191,520 cu. yd.
?	ADL408741	Parks Highway	181,970 cu. yd.
?	ADL408742	Parks Highway	38,560 cu. yd.
37-2-091-2	ADL408743	Parks Highway	110,240 cu. yd.

?	ADL408744	Parks Highway	473,760 cu. yd.
?	ADL408769	Fairbanks - Nenana	640,000 cu. yd.
522-051-2	ADL408733	<del>???</del> PARKS	80,640 cu. yd.
?	ADL408738	Parks Highway	89,920 cu. yd.
37-2-006-2	ADL408737	Parks Highway	194,720 cu. yd.
37-2-074-2	ADL408746	Parks Highway	64,320 cu. yd.
37-2-070-2	ADL408747	Parks Highway	89,920 cu. yd.
?	ADL408717	Parks Highway	146,880 cu. yd.
?	ADL408745	Parks Highway	143,360 cu. yd.

cc: Hal Livingston - ADOT/PF  
 Doug Lowery - ADEC

# MEMORANDUM

# State of Alaska

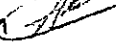
Department of Transportation & Public Facilities

TO: Dept. of Natural Resources  
4420 Airport Way  
Fairbanks  
Attn: Chris Guinn, Chief  
Disposal Section

DATE: September 22, 1982

FILE NO:

TELEPHONE NO: 452-1911, ext. 286

FROM: Harold A. Cameron   
Regional Chief

SUBJECT: Proposed Land Disposals  
McKinley Park Area-FY 84  
H.S. 522-051-2

As discussed today with Chris Guinn by Paul Wild of this office, we sent you comments by our memorandum dated September 1, 1982 (copy attached) on subject proposed land disposals.

We now have additional comments in response to your memorandum copy to Robert Venusti, Director, Planning and Programming as follows:

- 1) Hornet Creek and Village View disposals - the number of roads onto the Parks Highway must be kept to a minimum. DOT/PF driveway permits will be required for all new roads from these areas (including Montana Creek Remote) to the Parks.
- 2) We would appreciate the opportunity to review the access plans as they are developed.
- 3) We will be sending you our comments to DNR's FY85 proposed land disposals by September 27.

Attachments: as stated

cc: Robert Venusti, Director  
Planning & Programming

PJW/skc

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
Bureau of Land Management  
Fairbanks Land Office  
~~FAIRBANKS RECORDING DISTRICT~~  
Fairbanks, Alaska

Serial number below  
Fairbanks 029734

Date: OCT 26 1962

DECISION

RIGHT-OF-WAY GRANTED

Details of Grant

Serial number of grant Fairbanks 029734

MS 522-051-2

Name of grantee State of Alaska, Department of Highways,  
Box 1841, Juneau, Alaska

Map showing the location  
and dimensions of grant:

Map designations Departmental Map, Project F0052-1(2)  
Pit #20

52-2-051-2

Date filed May 14, 1962

Permitted use by grantee Material Site

Authority for grant Federal Highway Act of November 9, 1921  
Regulations applicable to grant: (23 U.S.C. 317) as amended.

Code reference 43 CFR 244.54 thru 244.55.

Circular number 1915, 2084

ok job 11-2-62

Date of grant

Expiration date of grant

Rental:

Amount None

When payable by grantee

CONTAINED IN  
52-2-067-2

File	A	log
1	ALASKA	ED
2	ALASKA	ED
3	ALASKA	ED
4	ALASKA	ED
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7	ALASKA	ED
8	ALASKA	ED
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62	ALASKA	ED
63	ALASKA	ED
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94	ALASKA	ED
95	ALASKA	ED
96	ALASKA	ED
97	ALASKA	ED
98	ALASKA	ED
99	ALASKA	ED
100	ALASKA	ED

Expiration date: Mar 22, 1962

502  
7-1-56  
JAN 532  
BUREAU OF LAND MANAGEMENT  
DEPARTMENT OF THE INTERIOR  
UNITED STATES

Serial No. 014057

Date: Dec 7, 1956

FREE USE PERMIT FOR PUBLIC AGENCIES\*

Applicant: Bureau of Public Roads  
Box 160  
Anchorage, Alaska

Area description:

Approximate Latitude 63°39'11", Longitude 148°49'26". Beginning at a point at Station 1075+00 at Mile 20.4 on the Denali Highway, Section D; thence N33°41'E, 500 feet; thence S39°00'E, 555 feet; thence S49°41'W, 400 feet; thence in a northwesterly direction along the road right-of-way to point of beginning. Approximately 4.96 acres more or less. (Pit No. 20 - BPR Number)

70k  
Please  
handle  
w/

Handwritten notes and stamps on the right side of the page, including a circular stamp and a rectangular stamp with a grid.

THIS PERMIT is issued to the above applicant for obtaining 30,000 cu yd Gravel to be used in the construction and maintenance of Denali Hwy Section D, located between Cantwell & Mt McKinley Park

This permit is subject to the conditions listed on the reverse hereof, insofar as they may be applicable, and to the special conditions below:

SPECIAL CONDITIONS:

A performance bond has not been required for this permit.

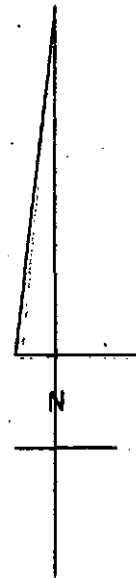
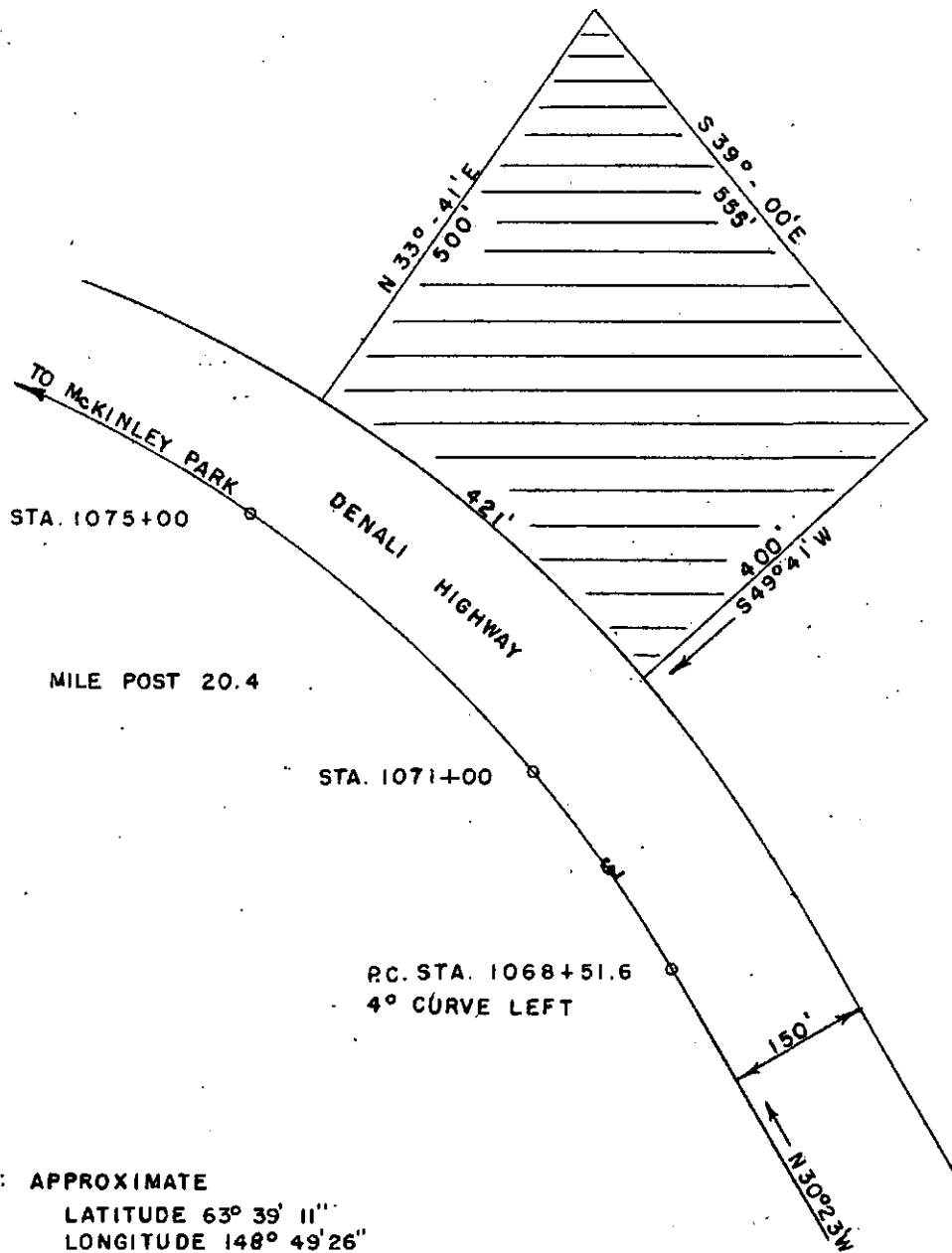
This permit approved March 22, 1957 and expires March 22, 1962

Robert A. Smith  
Robert A. Smith  
Acting District Forester

\*Issued under authority Sec. 1, 61 Stat. 681; 43 U.S.C. 1185. Circular 1758, 1970 and 1824 contain regulations found in 43 C.F.R. Part 259.1-259.27.

014057

522 0512




NOTE: APPROXIMATE  
 LATITUDE 63° 39' 11"  
 LONGITUDE 148° 49' 26"

AREA SHOWN THUS  CONTAINS 4.96 ACRES MORE OR LESS.

DEPARTMENT OF COMMERCE  
 BUREAU OF PUBLIC ROADS  
 DIVISION TEN  
 ANCHORAGE, ALASKA

FREE USE PERMIT  
 DENALI HIGHWAY - SECTION D  
 PIT NO. 20

APPROVED:   
 DISTRICT ENGINEER

SCALE: 1" = 200'      DATE: 11-15-56



**RIGHT OF WAY INFORMATION**



**GEOLOGIC INFORMATION**



**STATEWIDE MATERIAL SITE INVENTORY**

**MATERIAL SITE**  
**INSPECTION REPORT**

**Federal Project No. STP-000S(530)**  
**AKSAS Project No. 76174**

**NORTHERN PARKS HIGHWAY**

**MS 52-2-051-2**  
**(MS 52-2-067-2)**  
**McKinley Village Pit**

November 29, 2010

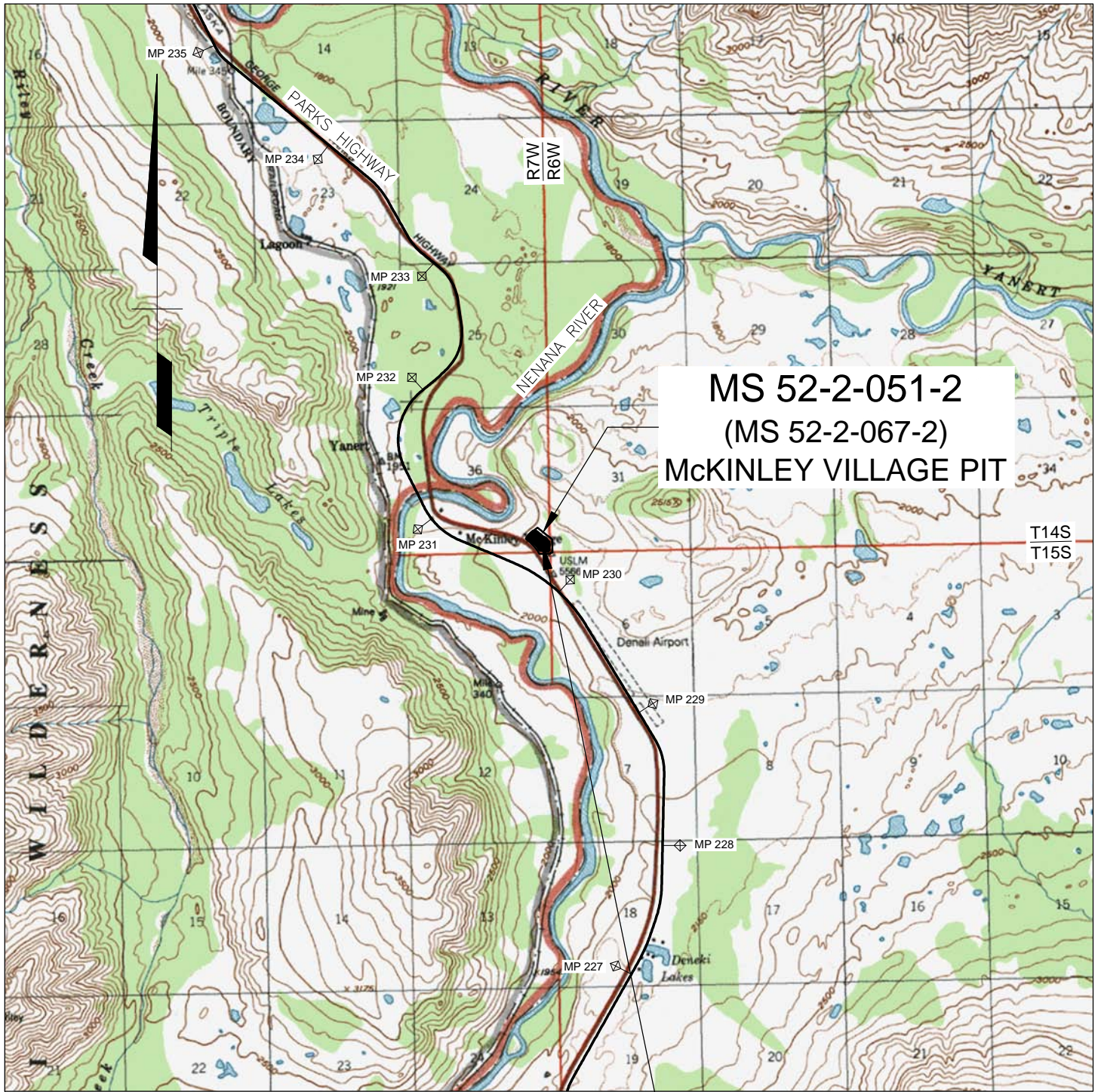
<u>CONTENTS</u>	<u>PAGE</u>
COVER SHEET.....	1
LOCATION MAP .....	2
SITE MAP .....	3A & 3B
INSPECTION FORM.....	4 thru 10

**CATEGORY:**

**ACTIVE – STATUS UNKNOWN**

According to information found in the DOT&PF EDMS system in January 2009 and BLM and DNR case file abstracts, this site lies on lands owned by the State of Alaska and managed by DNR. The site was originally designated as MS 22-336-63 and Pit No. 20. A FUP (F-14057) was issued to the Bureau of Public Roads in 1957 that expired in 1962. An expansion of the pit designated MS 52-2-067-2 was proposed in 1962 but the expansion was included in MS 52-2-051-2. An indefinite right-of-way grant (F-29734) was issued by BLM in 1962. The land was tentatively approved to the State of Alaska (F-34879 / GS 1507 / PA 50-85-0295) by BLM in 1985. BLM transferred the administration of the site to the State in 1985. DOT&PF has a material sale contract (ADL 408733) issued by DNR in 1983, that last expired on December 31, 2009. The site limits were surveyed and include all Tract D of ASLS 83-194. Numerous other small users have utilized the site. The site adjoins the Old Denali Highway and Blueberry Drive right-of-ways and there is an existing access road. The site appears to contain significant quantities of sand and gravel and should be retained by DOT&PF for future use.

# LOCATION MAP



**MS 52-2-051-2**  
**(MS 52-2-067-2)**  
**McKINLEY VILLAGE PIT**

U.S.G.S. QUADRANGLE: HEALY (C-4)

GPS COORDINATES FROM GOOGLE EARTH

UTM (WGS84-METERS)  
 ZONE 6: N7,059,506 E410,503  
 AK STATE PLANE (NAD83-US SURVEY FT)  
 ZONE 4: N3,528,839 E1,834,209

**ACTIVE - STATUS UNKNOWN**



GRAPHIC SCALE IN MILES

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
STATEWIDE MATERIAL SITE INVENTORY			
MS 52-2-051-2			
SCALE AS SHOWN	DESIGNED CHECKED P.K.H. C.H.R.	DRAWN DATE J.D.N. MAY 2010	PAGE 2



# SITE MAP



BASE MAP IS AUGUST 11, 2004 GEOEYE SATELLITE IMAGERY. THIS IS A PLANNING DOCUMENT ONLY. THE MATERIAL SITE BOUNDARIES SHOWN ON THIS DRAWING ARE APPROXIMATE. OWNERSHIP OF THE LANDS ADJACENT TO THIS SITE ARE UNKNOWN. THE ACCESS ROW SHOULD BE VERIFIED.

## ACTIVE - STATUS UNKNOWN



BASE MAP FROM GOOGLE EARTH PRO 7/14/2010

Prepared By:  
R&M CONSULTANTS, INC.

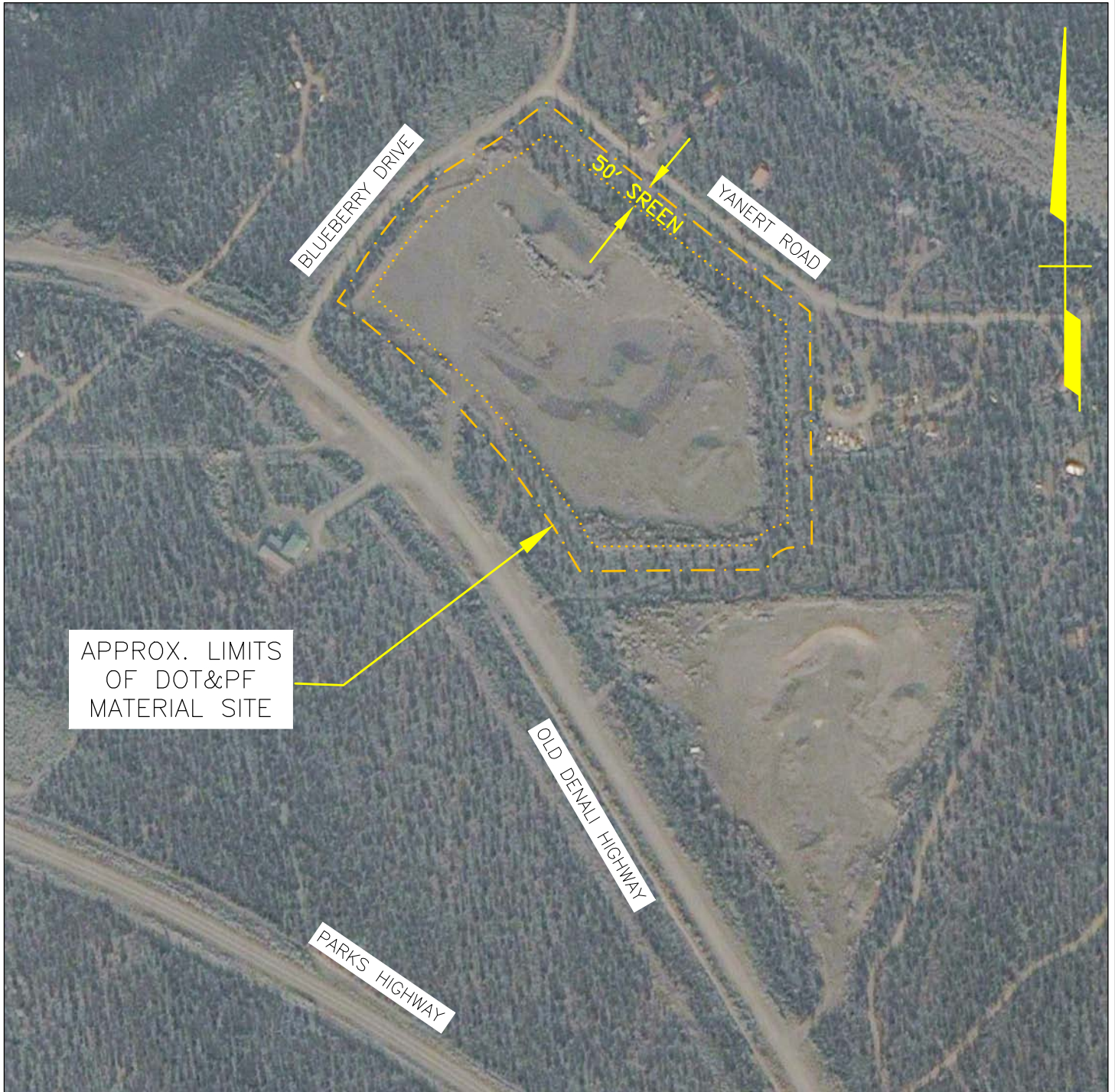
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
STATEWIDE MATERIAL SITE INVENTORY			
MS 52-2-051-2			
SCALE	DESIGNED	DRAWN	PAGE
AS SHOWN	P.K.H. CHECKED C.H.R.	P.K.H. DATE JULY 2010	3A

Z:\project\1443.06\37\_North\_Parks\_Highway\MS 52-2-051-2\acad\geo\ccad\MS\_Site\_Map\_52-2-051-2.dwg

Plotted 3/1/2011 1:21 PM by Jim Nelson



# SITE MAP



BASE MAP IS AUGUST 11, 2004 GEOEYE SATELLITE IMAGERY.  
 THIS IS A PLANNING DOCUMENT ONLY. THE MATERIAL SITE BOUNDARIES SHOWN ON THIS  
 DRAWING ARE APPROXIMATE. OWNERSHIP OF THE LANDS ADJACENT TO THIS SITE ARE  
 UNKNOWN. THE ACCESS ROW SHOULD BE VERIFIED.

## ACTIVE - STATUS UNKNOWN



GRAPHIC SCALE IN FEET

BASE MAP FROM GOOGLE EARTH PRO 7/14/2010

Prepared By:  
 R&M CONSULTANTS, INC.

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
STATEWIDE MATERIAL SITE INVENTORY			
MS 52-2-051-2			
SCALE	DESIGNED	DRAWN	PAGE
AS SHOWN	P.K.H. CHECKED C.H.R.	P.K.H. DATE JULY 2010	3B

Z:\project\1443.06\37\_North\_Parks\_Highway\MS 52-2-051-2\ocad\geo\ocad\MS\_Site\_Map\_52-2-051-2.dwg

Plotted 3/1/2011 1:21 PM by Jim Nelson

**STATEWIDE MATERIAL SITE INVENTORY  
MATERIAL SITE INSPECTION FORM**

**THIS REPORT IS BASED ON A REVIEW OF EXISTING DATA AND BRIEF FIELD INSPECTIONS. THUS THE DATA CONTAINED HEREIN SHOULD BE CONSIDERED PRELIMINARY AND USED FOR PLANNING PURPOSES ONLY. USERS OF THIS DATA SHOULD VERIFY THE INFORMATION PRIOR TO USING IT FOR DESIGN OR CONSTRUCTION PURPOSES.**

**IF OTHER IS SELECTED FOR A SECTION, EXPLAIN IT IN SECTION 44. NOTES.  
IF AN ANSWER IS UNKNOWN SELECT "UNKNOWN" OR LEAVE BLANK**

1. **MS\_ID** 52-2-051-2  
Enter the full material site number e.g.. 37-3-045-2
2. **DATE\_INSPECT** 8/3/2010  
Date of field inspection
3. **FLD\_INSPEC\_ORG** WILL RHODES / R&M CONSULTANTS  
Name of inspector / Organization or Company

4. **REGION** NORTHERN
5. **LOCATION** NORTHERN PARKS HIGHWAY  
Name of Highway Enter Name of Facility or Secondary Route Name  
(i.e.Kotzebue Airport, Nash Road, etc.)
6. **MILEPOST** 230  
List the closest main highway milepost
7. **NAME** MCKINLEY VILLAGE PIT  
Enter commonly used name (s), e.g. Hess pit, Gobblers Knob, Midway. List all that apply separated by commas.
8. **MAINT\_DIST/STAT** District INTERIOR/FAIRBANKS Station HEALY  
Highway Maintenance District and Station, for locations not on highways select other.
9. **QUAD** HEALY C-4  
U.S.G.S. Quad. Map
10. **TOWNSHIP /RANGE** T#S R#E T14S R7W &                      Meridian FM  
Section 36
11. **COOR\_UTM** 12. **COOR\_STATE\_PLANE**
- |                           |  |
|---------------------------|--|
| ZONE <u>6</u>             | ZONE <u>4</u>                          |
| NORTHING <u>7,059,506</u> | NORTHING <u>3,528,839</u>              |
| EASTING <u>410,503</u>    | EASTING <u>1,834,209</u>               |
| UTM WGS84 - Meters        | Alaska State Plane NAD83 - Survey Feet |
13. **BOROUGH/CITY** DENALI BOROUGH **TAX ID NO.**
14. **DNR\_LAND\_USE\_PLAN** YUKON-TANANA AREA PLAN

15. **CATEGORY** (To be filled in the office)
- 15a. **CLASSIFICATION** ACTIVE
- 15b. **STATUS** UNKNOWN





**STATEWIDE MATERIAL SITE INVENTORY  
MATERIAL SITE INSPECTION FORM**

<b>31. MAT_TYPE_1</b> Dominant type	<b>FLUVIAL</b>	<b>32. MAT_TYPE_2</b> Subordinate type
BEDROCK	Bedrock sources requiring blasting	
WEATHER. BEDROCK	Bedrock sources requiring ripping	
FLUVIAL	Water deposited sand and gravel, includes glaciofluvial	
GLACIAL	Glacial till	
COLLUVIAL	Talus slopes, etc.	
EOLIAN	Sand Dunes, etc.	
SILT	Silt deposits, loess, fluvial, etc.	

<b>33. PERMAFROST_1</b> New Site or Expansion Area	<b>DETECTED IN NO TEST HOLES OR PITS</b>
<b>34. PERMAFROST_2</b> Existing Site	
DETECTED IN MOST TEST HOLES	
DETECTED IN SOME TEST HOLES	
DETECTED IN IMMEDIATE VICINITY	
DETECTED IN NO TEST HOLES	
DATA OUTDATED	
UNKNOWN	
OTHER	

<b>35. GROUNDWATER</b>	<div style="border: 1px solid black; min-height: 100px; padding: 5px;">                     No water table was noted in test holes advanced to 10 ft. below the ground surface during January, 1973.                 </div>
------------------------	---



**STATEWIDE MATERIAL SITE INVENTORY  
MATERIAL SITE INSPECTION FORM**

**36. LITHOLOGY\_1**

FLUVIAL

**37. LITHOLOGY\_2**

Dominant type

Subordinate type

IGNEOUS ROCK	Undifferentiated Igneous Rocks
GRANITIC	Granite/Monzonite/Granodiorite
DIORITE/GABBRO	Diorite/Gabbro
BASALT	Dark colored fine-grained Igneous Rocks
GREENSTONE	Altered Volcanic Rocks w/green tint
METAMORPHIC ROCK	Undifferentiated Metamorphic Rocks
SCHIST/PHYLLITE	Includes rocks ranging from slate to schist
GNEISS	Includes hard schistose rocks
MARBLE	
CATACLASTIC	Incl. Valdez Formation Rocks, Kenai Penn.
MÉLANGE	Incl. McHugh Formation Rocks, Kenai Penn.
SEDIMENTARY ROCK	Undifferentiated Sedimentary Rocks
CONGLOMERATE	
SANDSTONE	Includes greywacke, etc.
SHALE/MUDSTONE	
LIMESTONE	
FLUVIAL	River and stream deposits (floodplain), includes outwash.
ALLUVIAL	Alluvial / Debris Fan deposits
GLACIOFLUVIAL	Eskers, kames, etc.
GLACIAL	Till
COLLUVIAL	Talus, etc.
EOLIAN	Sand Dunes, etc.
SILT	Loess, fluvial silts, etc.
OTHER	Explain in Section 44.

**38. MATERIAL CLASSIFICATION**

ASTM Classification, generally they should range from coarse to fine.

38a.	<u>GW</u>	38c.	<u>GW-GM</u>	38e.	<u>SW-SM</u>	38g.	_____
38b.	<u>GP</u>	38d.	<u>GP-GM</u>	38f.	<u>SP-SM</u>	38h.	_____

**STATEWIDE MATERIAL SITE INVENTORY  
MATERIAL SITE INSPECTION FORM**

**39. COBBLES\_AND\_BOULDERS**

Test Boring Callout / ASTM Classification, either a. or b. and c. (Can use ranges i.e. 0 to 20)

39a.	CONTAINS	_____	
39b.	Est. % by VOL.	_____ 10 to 20 _____	(Est. From Visual Observations)
39c.	MAX. SIZE (in.)	_____ 72 _____	(Observed Size)

**40. AGG\_TEST\_RESULTS**

Year of test or report- Test result / Year of test or report- Test Results

40a. SG APP COARSE	_____	1964- 2.74 / 1987- 2.76, 2.77 / 1998- 2.77
40b. SG APP FINE	_____	1964- 2.72 / 1987- 2.71, 2.72 / 1998- 2.74
40c. ABSORPTION CRSE	_____	
40d. ABSORPTION FINE	_____	
40e. NORDIC ABRASION	_____	
40f. L.A. ABRASION	_____	1986- 16
40g. DEGRADATION (T-13)	_____	1986- 41
40h. NASO4 LOSS COARSE	_____	1986- 1.54
40i. NASO4 LOSS FINE	_____	1986- 2.51

**41. POTENTIAL\_USABILITY**

**CRUSHED PRODUCTS PRODUCED**

Best known potential use of the material, based on records, exploration and laboratory data.

CONCRETE AGGREGATE PRODUCED	The site has produced concrete aggregate
PAVING AGGREGATE PRODUCED	The site has produced paving aggregate
CRUSHED PRODUCTS PRODUCED	Base, Surface Coarse, Subbase, etc. has been produced.
TYPE A AND B MATERIAL AVAILABLE	0 to 10 percent passing 200
TYPE C AVAILABLE	Compactable material
TYPE C NOT AVAILABLE	Uncompactable material (Lower Kuskokwim and Yukon River, etc.)
UNKNOWN	
OTHER	Explain in Section 44.

**42. SPECIAL\_PROBLEMS**

Special problems encountered or anticipated with use of the material, based on records, exploration and laboratory data.

ORGANIC CONTENT	The material is very difficult to compact.
HIGHLY WEATHERED GRAVEL	The gravel is highly weathered and may break down when handled.
BREAKS DOWN UNDER USE	Material breaks down on grade.
SENSITIVE TO WATER CONTENT	Material is sensitive to water content, i.e.. some glacial tills, soft bedrock.
VARIABLE MATERIAL	Deposit contains mixture of suitable and unsuitable material.
POSSIBLE CONTAMINATION	Site may be contaminated by petroleum products or hazardous materials.
CONTAINS ASBESTOS	Site contains naturally occurring asbestos.
POTENTIAL ASBESTOS	Site in area where naturally occurring asbestos is mapped.
ACID ROCK DRAINAGE	Site contains rock susceptible to producing acid rock drainage.
OTHER	Explain in Section 44, Notes.

**STATEWIDE MATERIAL SITE INVENTORY  
MATERIAL SITE INSPECTION FORM**

**43. RIPRAP**

**NOT POSSIBLE**

Class II or larger. Does not include production for erosion control riprap for ditches or culverts.

PREVIOUS PRODUCTION

There is a record of production.

POSSIBLE FURTHER INVESTIGATION NEEDED

The site is a bedrock quarry containing hard rock

NOT POSSIBLE

The site has soft rock or soil.

UNKNOWN

OTHER

Explain in Section 44, Notes.

**44. NOTES**

Note number of item being discussed.

28. Spoil berms were noted along all sides of the existing pit except the west side. There was a small slash pile on the pit floor.

**ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
MATERIAL SITE DATA COLLECTION FORM**

Collected by: **GRAHER**

Date: **230184**

**I. GENERAL SITE DATA**

1. Material Site No.: **52-2-051-2**

2. Site Name: **CDS PARKS 196.2**  
**M.P. 230.5**

3. Community: **PARKS 5**

4. Owner/Agency: **STATE OF ALASKA**

5. Permit No.: **ADL 408733**

6. Permit Type: **51B** 7. Expiration Date: **160688**

8. Contact:

9. Lat/Long: **63°39'11" N 148°49'26" W**

10. Quad Map: **HEALY C4**

11. Legal Description: **SEC 36 T 14 S R 7 W F M**

12. Acreage: **5** 13. Reference Data: **010206**

14. Maps & Photos: **02030406**

15. Special Considerations: **99**

16. History:

17. Remarks: **TO BE EXPANDED**  
**15-DNR DISPOSAL AREA**

**CODES**

<b>6. PERMIT TYPE</b>	<b>20. TEST VALUES</b>
00 None	LA Los Angeles Abrasion
<b>Grants</b>	DC Degradation
01 Grant	FY Frost Suscept. Value
02 Rt. of Way Grant	P2 1/2 passing #200 screen
<b>Deeds</b>	SS Surface Soundness
11 Deed	SG Specific Gravity
12 Quit Claim Deed	LL Liquid Limit
<b>Permits</b>	PI Plastic Index
21 Permit	OR Organic Content
22 PUP	PH pH of Organics
23 FUP	
24 SLUP	
25 Prospect Permit	<b>22. PRESENT STATUS</b>
26 Mat'l Site Permit	ACT Active mining
27 Rt. of Entry Permit	INA Inactive site
28 Rt. of Way Permit	DPL Depleted
29 PTTB	STK Stockpile site
<b>Other</b>	Hwy Highway M & O Use
41 ILMT	AVI Aviation M & O Use
42 ILMA	STA Maintenance Station
43 Lease	PRV Private Pit
44 Agreement	SQU Squatters
45 Waste Area Agreem.	DMP Dump site
46 Easement	JNT Joint Use (Remarks)
47 Rt. of Way Easem.	ZZZ Other (Remarks)
48 Court Award	
49 Withdrawal	
50 Release	<b>23. RECOMMENDED USE</b>
51 Material Sales	BOR Borrow
A Applied for	RKP Riprap
B Issued	AGR Crushed Aggr.
	SND Sand Source
	BN Binder Mat'l
	TOP Topsoil
	STK Stkp./Warehousing
	MTN Maintenance Use
	STA Maintenance Station
	TST Further Testing Rec.
	FTR Future Use
	REL Relinquish Permits
	WPA Waste Disposal Area
	ZZZ Other
<b>13. REFERENCE DATA</b>	
00 None available	
01 Published M.S. rpt.	
02 Lab analyses of mat'l	
03 Design study/loc. rpt.	
04 Construction use data	
05 Environmental data	
06 TH Loc. Map & Logs	
07 Memo (ref. to file)	
99 Other (Remarks)	
<b>14. MAPS &amp; PHOTOS</b>	
00 None available	
01 Sketch map	
02 Location map	
03 Site plat	
04 Vert. air photos	
05 Obl. air photos	
06 Ground photos	
99 Other (Remarks)	
<b>15. SPECIAL CONSIDERATIONS</b>	
00 None	
01 Pit obligated	
02 Royalty Payments	
03 Proof of Use (incl. yr.)	
04 3rd Party Encumbr.	
05 Environmental Restr.	
06 Historical Site	
07 Archeological Site	
08 Paleontological Site	
09 Quantity Restr. (Remarks)	
99 Other (Remarks)	

**II. LAB DATA**

18. Date: **230184**

19. Soil Class: **SANDY GRAVEL**

20. Test Values: **R200-4-14**

21. Remarks:

**III. USE DATA**

22. Present Status: **HWY** 23. Recommended Use: **ROR AGR STR MTN**

24. Quantities - Indicated: **80640** cubic yards Date: **83**  
Removed: **5500** cubic yards Date: **83**

25. Remarks: **TYPE A**

# MATERIAL SITE DATA COLLECTION FORM

Material Site No.: 52-2-051-2

Date: 230184

Collected by: GRAHER

## III. SURFACE SITE DATA

26. Date: 240683      27. Investigation: FT01      28. Drainage: C

29. Geomorphic Description: TERRACE

30. Vegetation: SPD % D % D %

31. Topography: ROL % %      32. Debris: TR % % %

33. Rock Outcrops: 0 %      34. Water Bodies: 00      35. Access: 02

36. Boundary Markers: 00      37. Utility Corridors: TL

38. Site Improvements: PIT EHR

39. Remarks: TL MAY CROSS ACCESS  
STARTING TO BE USED AS DUMP  
APPLIED FOR EXPANSION  
25- END FR SE END EXIST MS  
FUTURE LAND DISPOSAL IN THIS AREA

## CODES

<p><b>27. &amp; 41. INVESTIGATION</b></p> <p>BK Backhoe          WA Wheel-mount Auger          TA Track-mount Auger          PD Portable Drill          FT Foot Recon.          AR Aerial Recon.          SM Seismic Survey          CD Conductivity Survey          RV Resistivity Survey          Z2 Other (Remarks)</p> <p>01 Recon. sparse coverage          02 Part coverage, random          03 Part coverage, specific          04 High-density TR invest.          05 Special Survey</p> <p><b>28. DRAINAGE</b></p> <p>P Poor - standing water          F Fair          G Good - establ. drainage</p>	<p><b>30. VEGETATION</b></p> <p>000 None - bare soil          BIR Birch          COT Cottonwood          ASP Aspen          WIL Willow species          ALD Alder species          WSP White Spruce          BSP Black Spruce          SIT Sitka Spruce          HEM Hemlock          TAM Tamarack          CED Cedar          COM Misc coniferous          DEC Misc deciduous          GRD Low ground cover          BOG Bog mosses, etc.          ZZZ Other (unknown)</p> <p>0 None          1 Scattered          2 Low (&gt; 10' sep)          3 Moderate          4 High (&lt; 3' sep)</p>	<p><b>30. VEGETATION (cont'd)</b></p> <p>SH Shrub          ST Small Tree (&lt; 5" Ø)          MT Med Tree (5"-12" Ø)          LT Lg Tree (12"-30" Ø)          HT Huge Tree (&gt; 30" Ø)</p> <p>% of site covered</p> <p><b>31. TOPOGRAPHY</b></p> <p>FLT Flat and level          ROL Rolling          MOD Moderate hillside          STP Steep hillside          CLF Cliffside</p> <p>% of site, each category</p> <p><b>32. DEBRIS</b></p> <p>WO Woody debris          CW Const. waste mat'ls          TR Dump mat'l, trash          HA Abnd. habitations          ZZ Other (Remarks)</p> <p>% of site, each category</p>	<p><b>33. ROCK OUTCROPS</b></p> <p>A 1'-10' height          B 10'-25'          C 25'-50'          D 50'-100'          E &gt; 100'</p> <p>% of site covered</p> <p><b>34. WATER BODIES</b></p> <p>00 None          01 River          02 Stream          03 Creek          04 Intermitt. Stream          05 Lake          06 Pond          07 Impoundment          08 Bog/Swamp          09 Marine          99 Other</p> <p>% of site covered</p>	<p><b>35. ACCESS</b></p> <p>00 &gt; 1 mile from nearest rd          01 Adj to unimproved rd          02 Adj to secondary grl rd          03 Adj to secondary pvd rd          04 Adj to primary pvd rd          05 Access by water          99 Other (Remarks)</p> <p><b>36. BOUNDARY MARKERS</b></p> <p>00 None found          01 One corner found          xx Number corners found</p> <p>RB Rebar          IP Iron Pipe          WP Witness Post          BZ Blaze Marks on trees          BR Brush Line          LM Landmark (Remarks)          SM Survey Monument          Z2 Other (Remarks)</p>	<p><b>37. UTILITY CORRIDORS</b></p> <p>EE Electric          WA Water          TL Telephone          GS Gas          PT Petroleum          SW Sewer          RR Railroad          ZZ Other (Remarks)</p> <p><b>38. SITE IMPROVEMENTS</b></p> <p>FNC Fencing          SCR Screening          BDG Bridge (Remarks)          SCL Scales          RMP Loading Ramps          SWA Solid Waste Area          GAT Locked Gate on access          PIT Opened Pit          TRL Trailhead          EHR Existing Haul Road          HAB Habitations          BLD Buildings          ZZZ Other (Remarks)</p> <p>% of site occupied</p>
---	--	--	---	---	---

## IV. SUBSURFACE SITE DATA

40. Date:         41. Investigation:         42. Drainage: S

43. Water Table: 00      44. Permafrost: N      45. Overburden:    < 2' An

46. Soil Description: CBA An    An    An      47. %+3": 20      48. %+10": < 10

49. Quantity Estimate:    cubic yards    An    *occ, boulder ≤ 6'*

50. Remarks: TYPE A - CRUSHED

## CODES

<p><b>42. DRAINAGE</b></p> <p>P Poor - fine-grn. saturated          F Fair          G Good - coarse-grn. well-drn</p>	<p><b>45. OVERBURDEN</b></p> <p>Soil Type (see Item 46)          Thickness (ft.)          Moisture (see Item 46)          Method of Analysis</p>	<p><b>46. SOIL DESCRIPTION</b></p> <p>A Gravel      0 Undetermined          B Sand      1 Dry          C Silt      2 Damp          D Clay      3 Free Moisture          E Ash          F Organic          G Bedrock          Z Other</p>	<p><b>METHOD OF ANALYSIS</b></p> <p>A Cutbank exposure          B Shovel pit          C Soil auger          D Soil probe          E Prev. rpts.          Z Other</p>
<p><b>44. PERMAFROST</b></p> <p>Y Yes          F Probable          N Not likely</p>	<p><b>49. QUANTITY ESTIMATE</b></p> <p>Cubic Yards (Visual Est.)          Soil Descri:    n, primary product          Method of        ts</p>		

GEO PKS HWY

1"=1000'

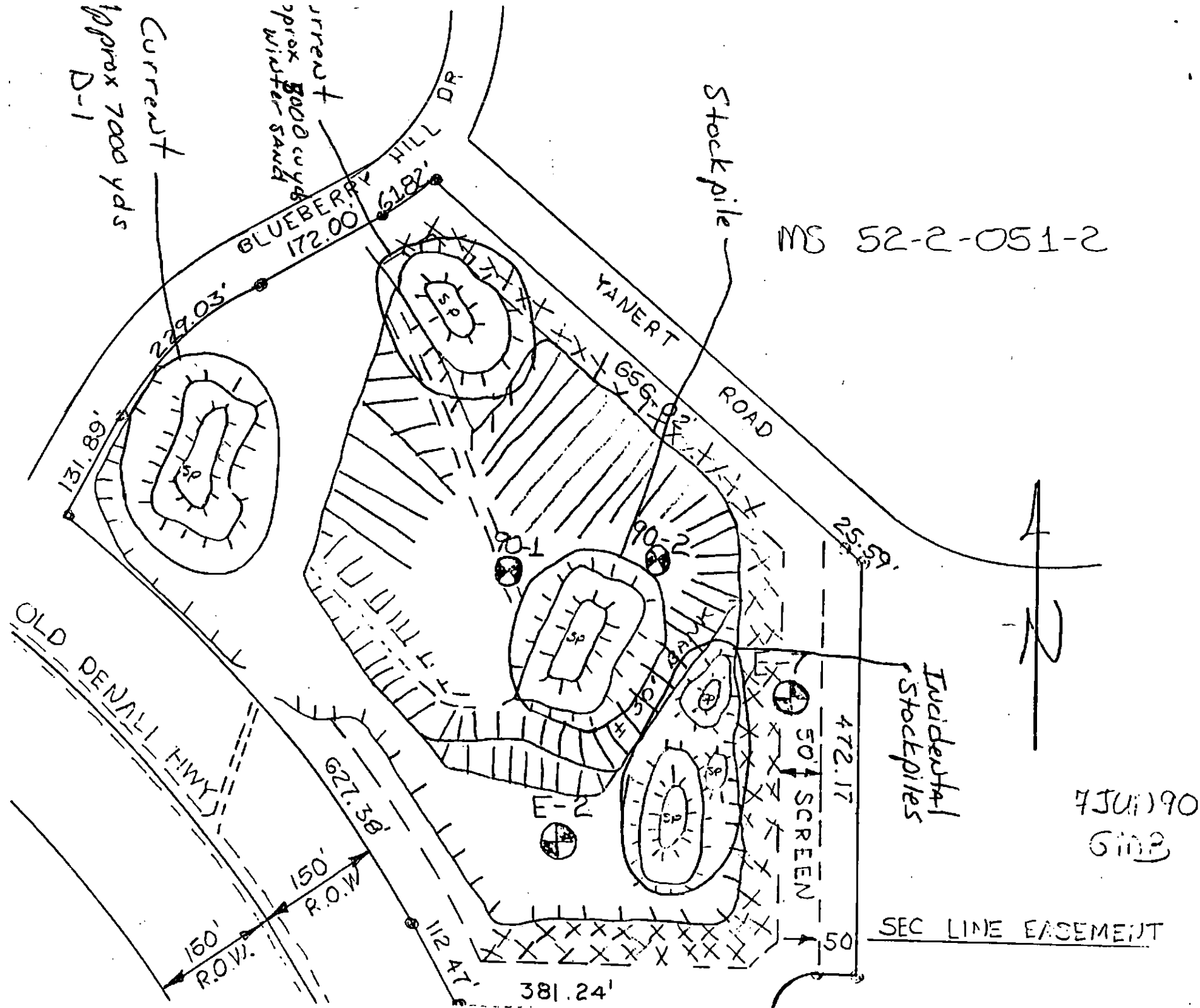
12-20

WATERWAY



6661

MS 52-2-051-2



7 JUN 1990  
GMB

State of Alaska Department of Transportation

Northern Region Materials Lab

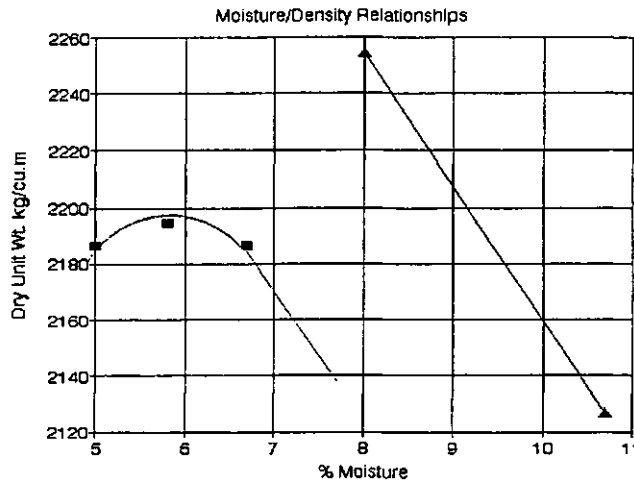
SOIL and AGGREGATE REPORT

Project Name: PARKS HWY-NENANA CANYON SAFETY/ACCESS I Lab Number: 98-1050  
 Ledger Code: 30950422  
 Project Number: HHE-OA4-4(10)  
 Sampled By: J BENNETT  
 Source: ATHNA M S Test Hole: GRAB Depth in meters: STOCKPILE  
 Date Sampled: 4-22-98 Offset: Station: M P 230

ATM T-7 SIEVES	% PASS	TEST No.	TEST	RESULTS
+75				
75		AASHTO T-89	LL	NV
50		AASHTO T-90	PI	NP
37.5				
25.0	100		SpG's	
19.0	99	AASHTO T-85	Coarse	2.77
12.5	94	LeChatelet	Fine	2.74
9.5	85			
4.75	62	ATM T-6	ORGANIC	0.7
2.36	44	AASHTO T-21	ORG PPM	
2.00	40			
1.18	30			
0.850		ATM T-6	MOISTURE	
0.600	19		STOCKPILE	
0.425	14			
0.300	11			
0.250	10	AASHTO T-104	SODIUM	
0.180	8		Coarse	
0.150	7		Fine	
0.075	5.5	AASHTO T-98	LA	
ATM T-1		ATM T-13	DEG	
.02mm	5.8			
.005mm	3.6			
.002mm	3.1			

MOISTURE / DENSITY PLOT

AASHTO T-1800



Opt. Moisture: 6.0  
 Max. Density: 2196

Sample	Dry Unit Wt.	% Moist.	Free Moist
1	2186.6	5.0	
2	2194.6	5.8	
3	2186.6	6.7	
4			
5			

ZAV 2126.6 @ 10.7  
 ZAV 2254.6 @ 8

AASHTO CLASS: A-1-a  
 SOIL DESCRIPTION: SaGr  
 UNIFIED CLASS:

Signature: *Maureen E. Lee*  
 Maureen E. Lee  
 REGIONAL LAB SUPERVISOR





## MS 52-2-051-2

### **LOCATION AND ACCESS**

This site is located east of Station 2495+00 on the "old" Denali Highway (east of Mile 230.5 of the Parks Highway). The Parks Highway is about a quarter of a mile to the west (see the location sketch). Access is directly from the old roadway and the site is screened by trees and waste berms. The northwest one-third of the site has been dug 5 to 15 feet in depth. The central third has been excavated to about 30 feet beneath the surface. The south quarter has been cleared and stripped only. The Nenana River is about one quarter of a mile north of the site.

### **DESCRIPTION OF MATERIALS**

The sand and gravel in this site contain cobbles and boulders and are part of a glacial outwash plain deposited by the Nenana River. The river later down-cut into the plain and left the gravel terrace where this site is located. Refusal in the test holes in the floor of the material site may be an indication that the lag gravel-boulder layer resting on underlying glacial till has been reached.

The site was used during the Cantwell to McKinley Park Paving Project, Number F-037-2(25) in 1974 and 1975 for D-1 (base course). Most recently, in 1987, Borrow, Type A, Subbase Grading "E", crushed aggregate, asphalt aggregate, drain aggregate, winter sand and "E" chips were produced during the Parks Highway, McKinley Village to Dragonfly Creek Rehabilitation and Repaving Project, IR-0A4-3(4). Considerable material has been removed by private parties to construct driveways, subdivision roads, and highways within McKinley Park.

### **CLEARING AND STRIPPING**

No clearing or stripping will be necessary.

### **DRAINAGE AND WATER TABLE**

The permeable nature of the outwash materials permits any water to drain vertically through the sandy gravels. There are few culverts in this vicinity because they are not needed. Local drainage may collect in the existing excavation particularly during spring breakup. No water table was found in the test holes.

### **FROZEN CONDITIONS**

No frozen soils were found in the test holes in 1964 or in 1990. Considering the latitude and elevation of this site, frozen soils should be expected.

### **LAND STATUS**

The DOT&PF holds a Negotiated Material Sale Contract, Number ADL 408733, for this site. The contract was issued by the Alaska Department of Natural Resources and expires on December 31, 1998. This agreement contains stipulations for the use of this site that should be included in the special provisions of the construction contract.

## **QUALITY OF MATERIALS**

Laboratory test results on samples taken from the site indicate the gravel and sandy gravel present in the site meet the requirements for use as Selected Material, Type A, and for the production of crushed aggregate. Cobbles and boulders are present in the site. Due to the limits of the auger, gravel larger than 2 inches in diameter and larger rocks were generally not recovered in the samples.

## **MINING PLAN GUIDELINES**

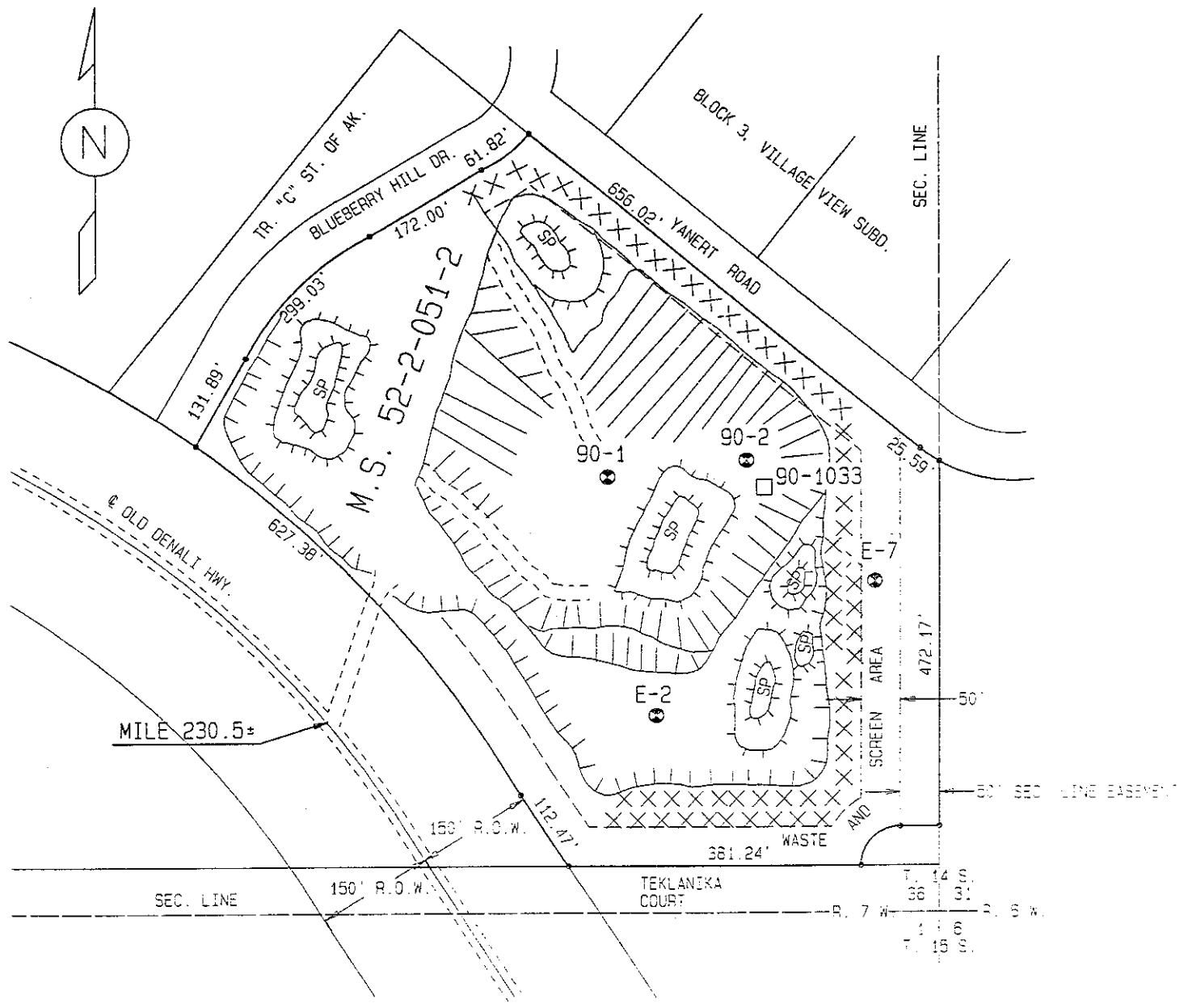
Renewed mining could extend the existing site to south and west. Note the section line easements on the south and east sides of the site. A 50-foot waste and screen area should be maintained between the work area and the road easements. Backslopes in the sand and gravel should be no steeper than 1/2:1 for stability. The site floor should be left relatively smooth and sloped to drain. The existing gated access from the "old" Denali Highway should remain for future use. Access from the platted subdivision roads is not recommended and waste berms should be placed to prevent such access.

Existing stockpiles in this site are reserved for DOT&PF maintenance use.

**STATE OF ALASKA - NORTHERN REGION**  
**DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES**  
**SOILS TESTING REPORT**

<b>PROJECT NAME:</b>		PARKS HIGHWAY, 216 NORTH REHABILITATION					
<b>PROJECT NUMBER:</b>		I-OA4-3(07)64924					
<b>SOURCE:</b>		M.S.52-2-051-2					
<b>SAMPLED BY:</b>		G.Brazo					
<b>TEST HOLE NO.</b>	Grab	E-7					
<b>DEPTH (FEET)</b>	0-1	5-7					
<b>STATION (LOCATION)</b>		2497+00					
<b>OFFSET (FEET)</b>		Rt.350					
<b>LAB NO.</b>	90-1033	1174					
<b>DATE SAMPLED</b>	6-5-90	1964					
<b>OVERSIZE</b>	+3"						
<b>PERCENT PASSING</b>	3"	100					
	2"	94	100				
	1"	81	70				
<i>Gravel</i>	3/4"	76	67				
	1/2"	67	58				
	3/8"	61	53				
	#4	48	45				
	#10	34	36				
<i>Sand</i>	#40		21				
	#50	9					
	#100	6					
<i>Silt - Clay</i>	#200	4	9				
<i>Clay Size</i>	02mm						
	.005mm						
<b>LIQUID LIMIT</b>	NV	NV					
<b>PLASTIC INDEX</b>	NP	NP					
<b>CLASSIFICATION</b>	A-1-a	A-1-a					
<b>SOIL DESCRIPTION</b>	SaGr	sISiSaGr					
<b>NATURAL MOISTURE</b>							
<b>SP.GR. (FINE)</b>	2.71						
<b>SP.GR. (COARSE)</b>							
<b>MAX DRY DENSITY</b>							
<b>OPTIMUM MOISTURE</b>							
<b>L.A. ABRASION</b>	17						
<b>DEGRADATION FACTOR</b>	61						
<b>SODIUM SULF. (CRSE)</b>	4						
<b>SODIUM SULF. (FINE)</b>	7						
<b>ORGANICS</b>							
<b>REMARKS:</b>							
* - Gradation is based on material passing the 3 inch sieve, according to Alaska Test Method T-7.							

08P216



SP = STOCK PILE

90-2  
5 JUN  
1- 0.0 - 0.5 CHIPS  
0.5 - 1.0 Bn Sa GRAVEL, damp (REFUSAL)

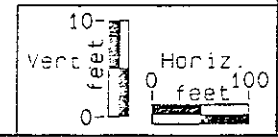
90-1  
6 JUN  
2- 0.0 - 2.0 Bn Sa GRAVEL, damp (REFUSAL)

SAMPLE 90-1033  
(0.0-1.0)  
A-1-a, 4%-200  
L.A.: 17, Deg.: 61

E-7  
1964  
 0.0 - 0.5 ORG MAT & SILT  
0.5 - 10.0 si, Si Sa GRAVEL  
SAMPLE 1174  
(5.0-7.0)  
A-1-a, 9%-200

E-2  
1964  
2- 0.0 - 2.0 EXCAVATED  
2.0 - 10.0 Sa GRAVEL

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES ENGINEERING GEOLOGY UNIT	
DATA: G.M.B./H.R.L.	PARKS HIGHWAY, 216 NORTH REHABILITATION
DRAWN: G.S.P.	M.S. CODE NO. 52-2-051-2
APPROVED: H.R.L.	PROJECT NO.: 1-JA4-3(7) 763924
DATE: 07/1991	SCALE: AS SHOWN



STATE OF ALASKA - NORTHERN REGION  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

T-180D STANDARD DENSITY REPORT

		LAB #:	87-287
PROJECT NAME:	McKINLEY VILL-DRAGONFLY	FIELD #:	BXA-P-2
PROJECT #:	IR-OA4-3(4)	DATE SAMPLED:	7-24-87
TEST OF:	BORROW "A"	DATE RECEIVED:	8-3-87
ITEM #:	203(5B)	DATE TESTED:	8-12-87
SAMPLED FROM:	SOURCE	ACCEPTANCE:	
DEPTH:	TOP	ASSURANCE:	XXXX
SOURCE:	MS 522-051-2	QUALITY:	
QUANTITY REPRESENTED:	AS REQ'D	INFORMATION:	

SIEVE SIZE	AS REC'D	FIELD SPLIT	SPEC	COMPACTION TEST NO	1	2	3	4	5	6
				DRY UNIT WT	135.4	136.8	137.1	138.4		
				% MOISTURE	4.2	4.9	6.0	6.8		
4"				MOISTURE PRESENCE						
3"	100	100								
2"	97	80								
1 1/2"	90	75		COARSE TO FINE RATIO:		37	:	63		
1"	79	67		FINE AGG SP GR:				2.71		
3/4"	73	61		COARSE AGG SP GR:				2.76		
1/2"	65	55		ZAV POINT:		132.9	@	10.3		
3/8"	59	51		ZAV POINT:		140.9	@	7.7		
#4	46	42								
#8	40	35								
#10	38	32								
#16										
#20	29	23								
#30										
#40	20	22		MAXIMUM DENSITY				138.0	135.0	*
#50	15	12		OPTIMUM MOISTURE				5.5	7.7	
#60				WEIGHTED ZAV SP GR:				2.73	2.72	
#80	10									
#100	9	7								
#200	6	5	0-12							

REMARKS:

*\* Rover will discuss results with field lab tech.*

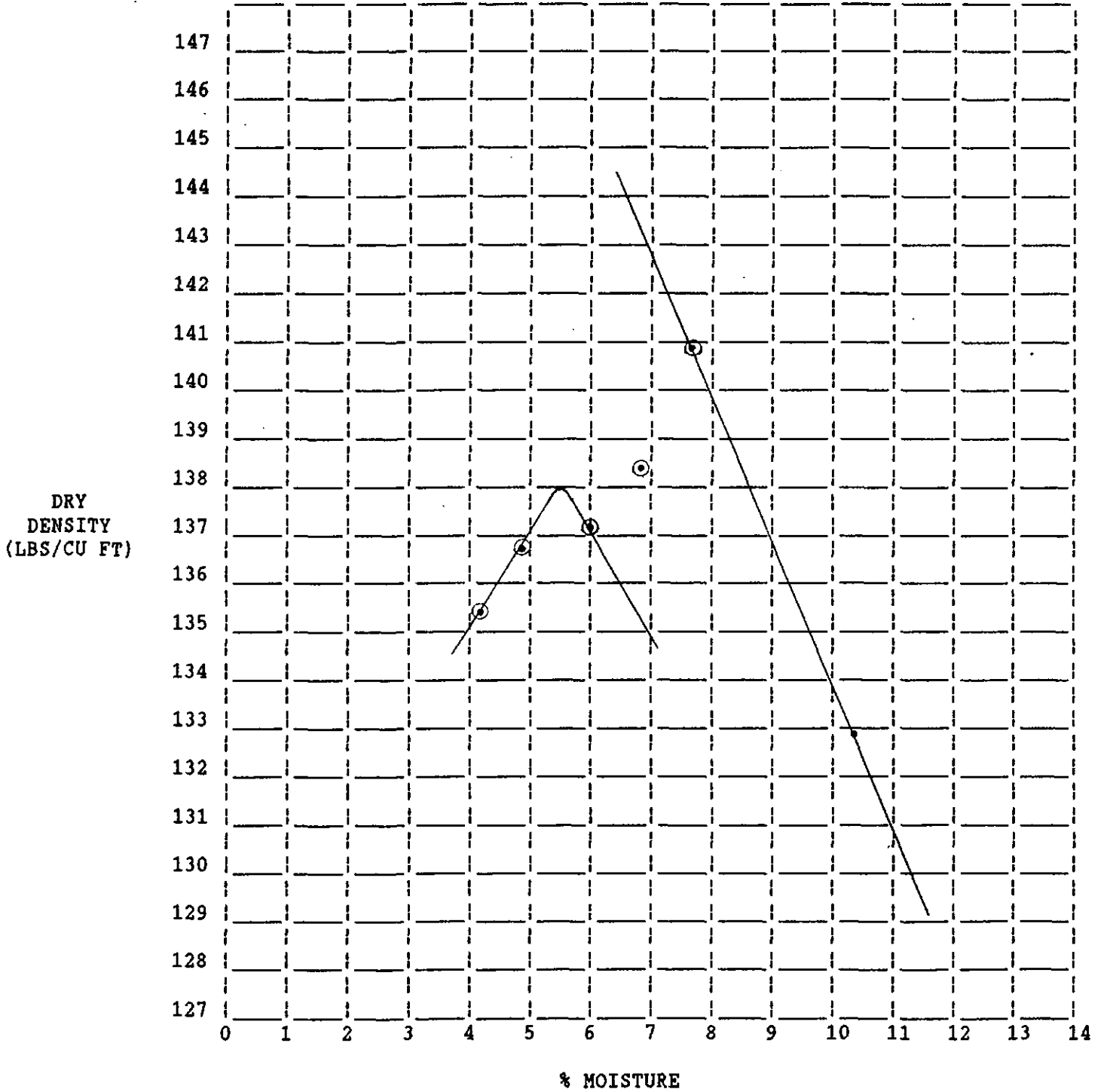
% +3": 12 FIELD=5  
 % MOISTURE: 0  
 % DELETERIOUS: 0  
 % FRACTURE:  
 LL: NV  
 PI: NP

SIGNATURE: \_\_\_\_\_

PAUL W. MISTEREK, RME

LAB #: 87-287  
FIELD #: BXA-P-2

PLOT OF MOISTURE - DENSITY RELATION



STATE OF ALASKA - NORTHERN REGION  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

T-180D STANDARD DENSITY REPORT

PROJECT NAME:	McKINLEY VILLAGE-DRAGONFLY	LAB #:	87-289
PROJECT #:	IR-OA4-3(4)	FIELD #:	BC-P-1
TEST OF:	BASE COURSE D-1	DATE SAMPLED:	7-17-87
ITEM #:	301(1) SP -200 = 0-5	DATE RECEIVED:	8-3-87
		DATE TESTED:	8-19-87
SAMPLED FROM:	STOCKPILE	ACCEPTANCE:	
DEPTH:	N/A	ASSURANCE:	XXXX
SOURCE:	MS 522-051-2	QUALITY:	
QUANTITY REPRESENTED:	AS REQ'D	INFORMATION:	

SIEVE SIZE	AS REC'D	FIELD SPLIT	SPEC	COMPACTION TEST NO	1	2	3	4	5	6
				DRY UNIT WT	134.3	134.2	134.5	135.8	138.0	
				% MOISTURE	3.0	3.9	4.8	5.8	6.2	
4"				MOISTURE PRESENCE			LT BEA	H BEAD	LT SW	
3"										
2"										
1 1/2"	100			COARSE TO FINE RATIO:		42	:	58		
1"	100	100	100	FINE AGG SP GR:				2.72		
3/4"	95	96	70-100	COARSE AGG SP GR:				2.77		
2"	85	87		ZAV POINT:		130.7	@	11.3		
3/8"	77	80	50-80	ZAV POINT:		138.7	@	8.5		
#4	55	58	35-65							
#8	39	47	20-50							
#10	35	44								
#16										
#20	19	28								
#30										
#40	11	15	8-30	MAXIMUM DENSITY				135.9	136.0	
#50	8	11		OPTIMUM MOISTURE				5.8	6.4	
#60				WEIGHTED ZAV SP GR:				2.74	2.76	
#80	6									
#100	5	9								
#200	4	5	0-5							
				REMARKS:						

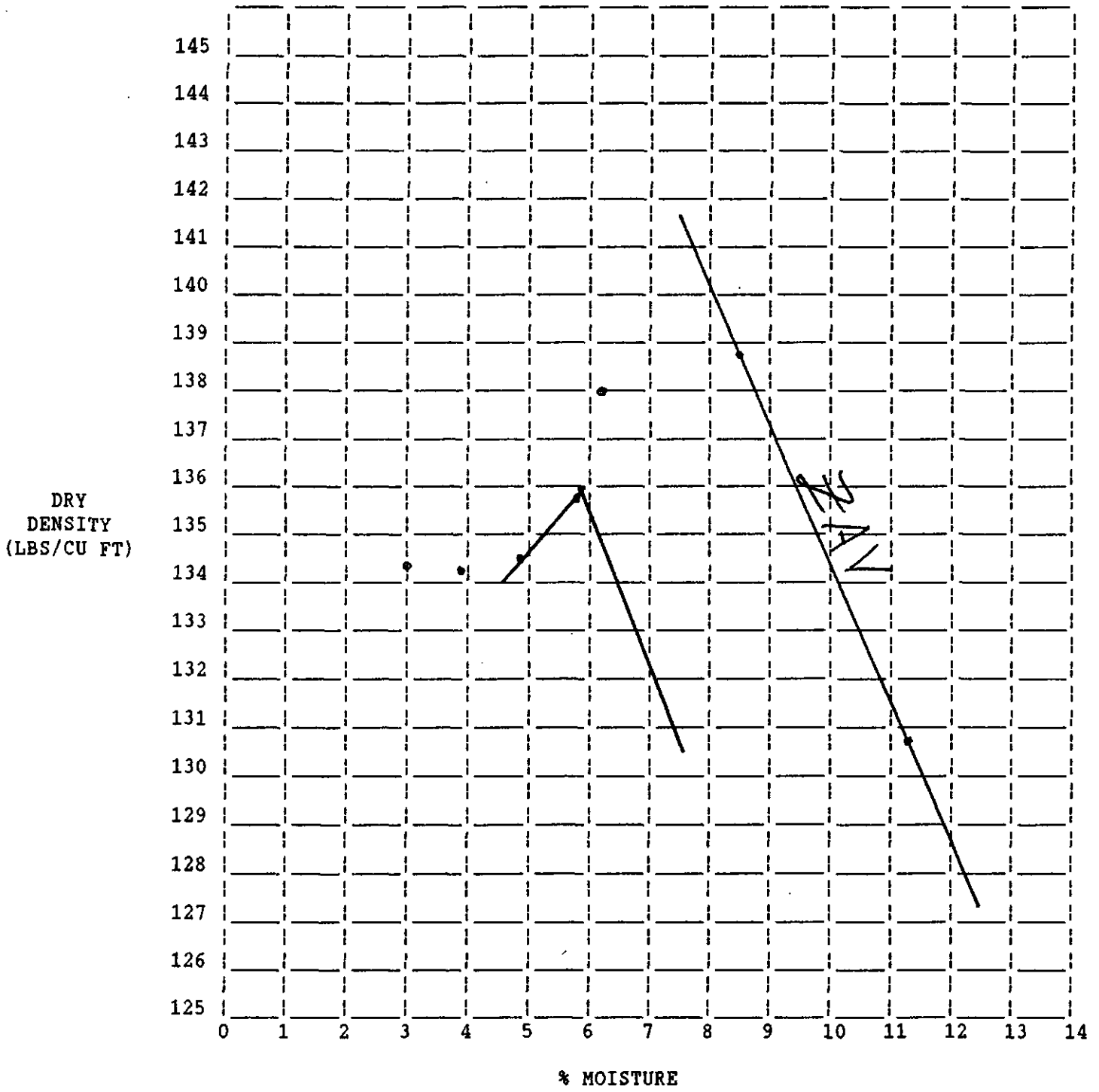
% +3":  
 % MOISTURE:  
 % DELETERIOUS: 0  
 % FRACTURE: 82 FIELD = 73  
 LL: NV  
 PI: NP

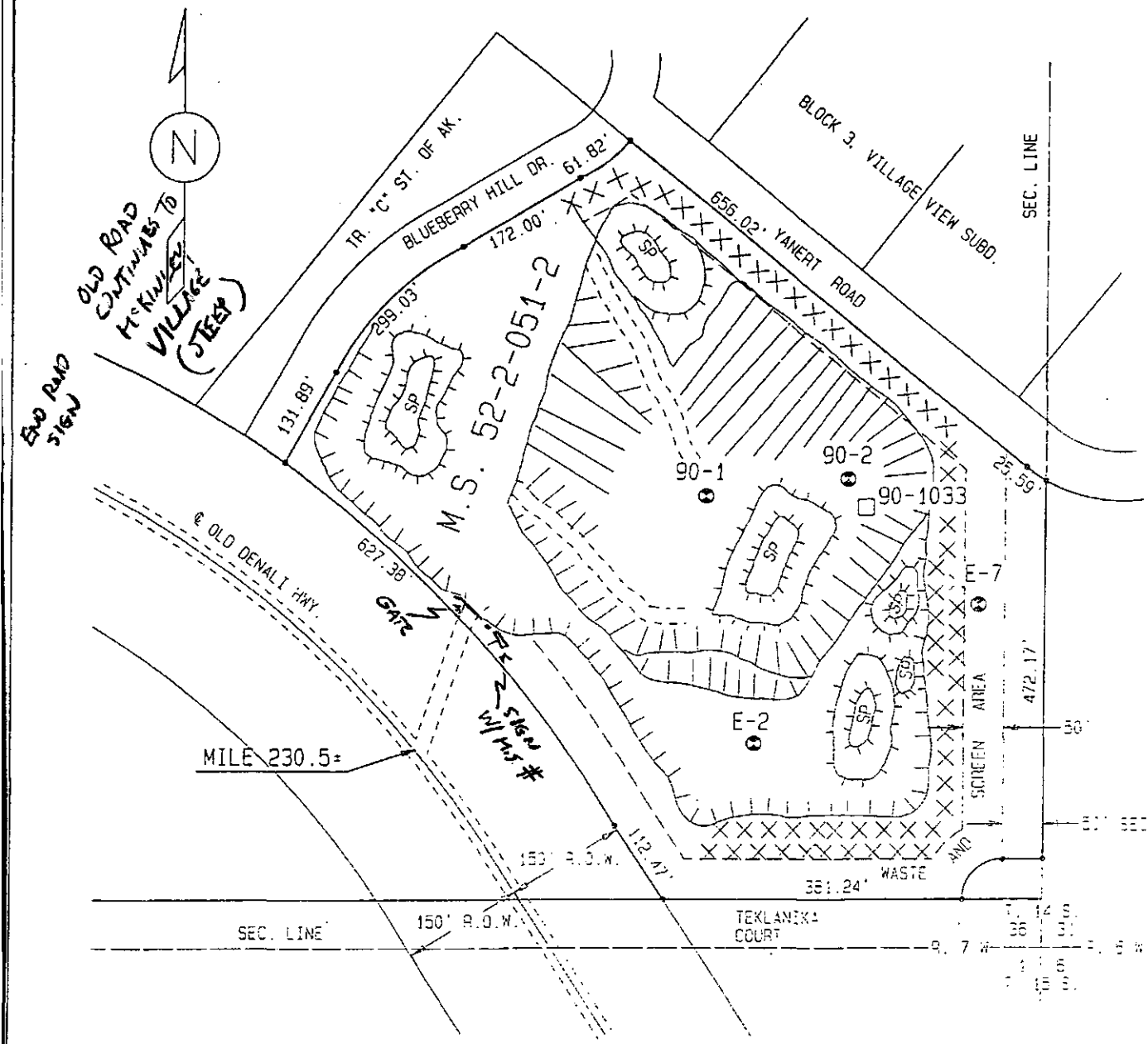
SIGNATURE: Paul W. Misterek  
 PAUL W. MISTEREK, RME



LAB #: 87-289  
FIELD #: BC-P-1

PLOT OF MOISTURE - DENSITY RELATION





SP = STOCK PILE

90-2  
5 JUN

1- [Symbol] 0.0 - 0.5 CHIPS  
0.5 - 1.0 Bn Sa GRAVEL, damp (REFUSAL)

90-1  
6 JUN

2- [Symbol] 0.0 - 2.0 Bn Sa GRAVEL, damp (REFUSAL)

SAMPLE 90-1033  
(0.0-1.0)  
A-1-a, 4%-200  
L.A.: 17, Deg.: 61

E-7  
1984

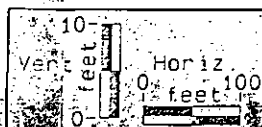
10- [Symbol] 0.0 - 0.5 ORG MAT & SILT  
0.5 - 10.0 si, Si Sa GRAVEL  
SAMPLE 1174  
(5.0-7.0)  
A-1-a, 9%-200

E-2  
1984

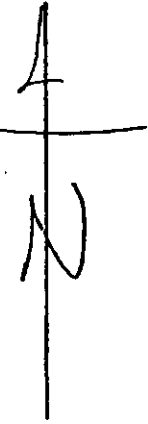
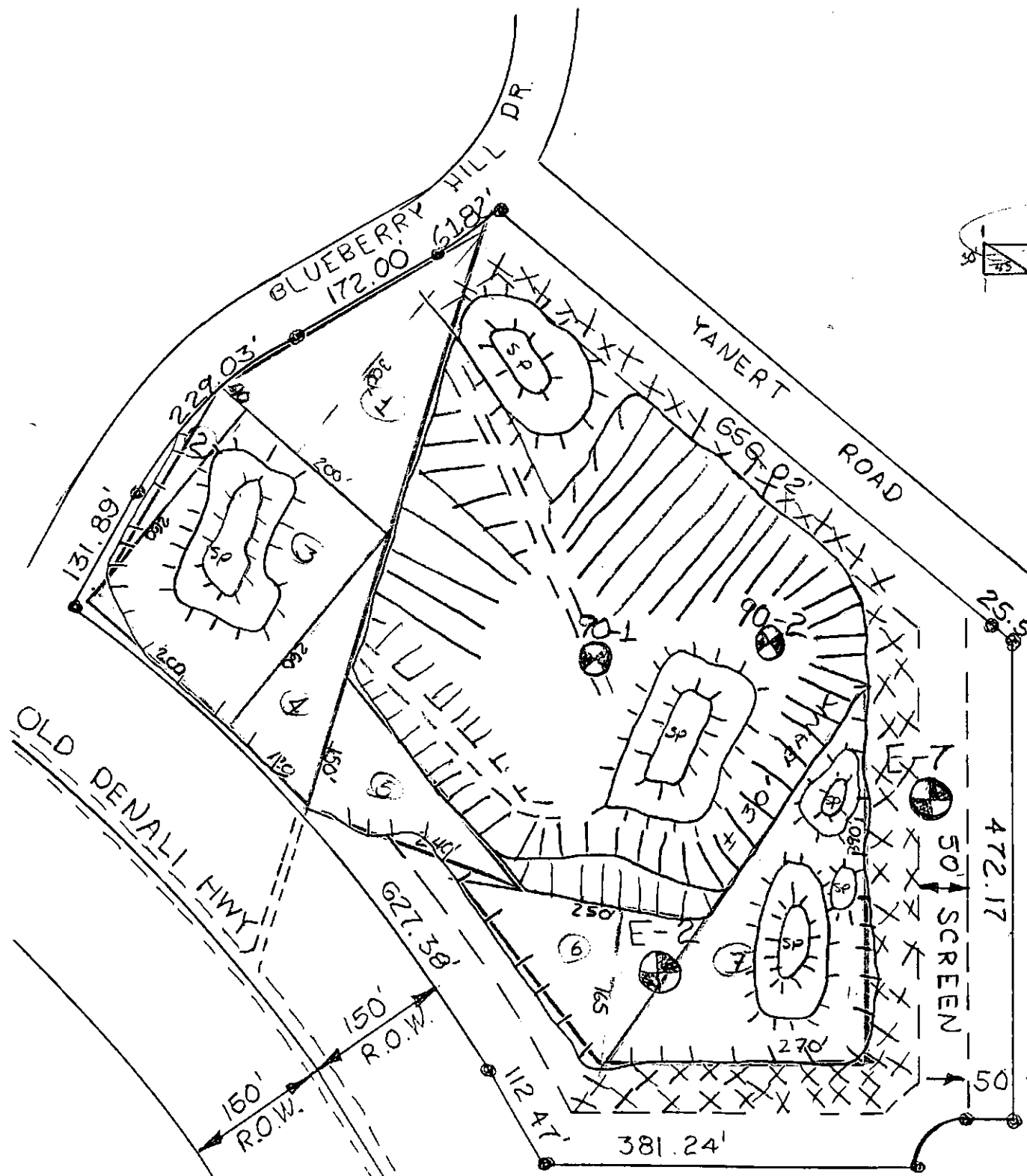
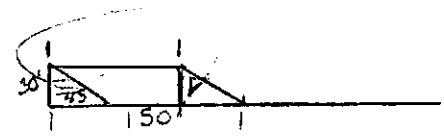
2- [Symbol] 0.0 - 2.0 EXCAVATED  
2.0 - 10.0 Sa GRAVEL

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
ENGINEERING GEOLOGY UNIT

DATA: G.M.B./H.R.L. PARKS HIGHWAY, 216 NORTH  
REHABILITATION  
DRAWN: G.S.P. M.S. CODE NO. 52-2-051-2  
APPROVED: H.R.L. PROJECT NO. 1-044-1171  
DATE: 07/199 SCALE: AS SHOWN



$$10y \times 15y \times .5 = 75y^2/y$$



7 JUN 90  
GMB

SEC. LINE EASEMENT

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND  
PUBLIC FACILITIES

## Computations

Project No. ....  
Bridge No. ....  
Calc. by ..... Date .....

For MS 52-2-051-2

$$\textcircled{1} \quad .5 \times 240\text{ft} \times 300\text{ft} \times \frac{1\text{y}^2}{9\text{ft}^2} = \frac{\text{area}}{4000\text{y}^2} \times \frac{\text{depth}}{10\text{y}} = 40,000\text{y}^3$$

$$\textcircled{2} \quad .5 \times 40\text{ft} \times 200\text{ft} \times \frac{1\text{y}^2}{9\text{ft}^2} = 444\text{y}^2 \times 10\text{y} = 4440\text{y}^3$$

$$\textcircled{3} \quad 200' \times 260' \times \frac{1}{9} = 5777\text{y}^2 \times 10\text{y} = 57770\text{y}^3$$

$$\textcircled{4} \quad .5 \times 260' \times 120' \times \frac{1}{9} = 1733\text{y}^2 \times 10\text{y} = 17330\text{y}^3$$

$$\textcircled{5} \quad .5 \times 150' \times 240' \times \frac{1}{9} = 2000\text{y}^2 \times 10\text{y} = 20,000\text{y}^3$$

$$\textcircled{6} \quad .5 \times 250' \times 165' \times \frac{1}{9} = 2292\text{y}^2 \times 10\text{y} = 22920\text{y}^3$$

$$\textcircled{7} \quad .5 \times 390' \times 270' \times \frac{1}{9} = \frac{5850\text{y}^2 \times 10\text{y} = 58500\text{y}^3}{22,096\text{y}^2 \times 10\text{y} = 220,960\text{y}^3}$$

(100y x 100y = 10,000y<sup>2</sup>)

Outside (perimeter):  $75\text{y}^2 \times \frac{2040\text{ft}}{3\text{ft}} \times \frac{1\text{y}}{3\text{ft}} = 51000\text{y}^3$

Inside (perimeter):  $75\text{y}^2 \times \frac{1250\text{ft}}{3\text{ft}} \times \frac{1\text{y}}{3\text{ft}} = 31250\text{y}^3$

$19750\text{y}^3 \approx 20,000\text{y}^3/\text{loss}$

$\frac{200960\text{y}^3}{- 20000}$   
 $\approx 200,000\text{y}^3$   
 JMB  
 8 Jan 90



MS 522-051-2

#### LOCATION AND ACCESS

This site is located east of Station 2495+00 on the "old" Denali Highway south of McKinley Village Resort. The Parks Highway is about a quarter of a mile to the west (see the location sketch). Access is directly from the old roadway and the site is screened by trees and waste berms. The northwest quadrant of the site has been mined to 5 to 15 feet in depth. The Nenana River is about one quarter of a mile north of the site.

#### DESCRIPTION OF MATERIALS

The sand and gravel in this site contains cobbles and boulders and is part of an outwash plain deposited by the Nenana River. The river later down-cut into the plain and left the terrace where this site is located. The ground surface in the undisturbed part of the site is relatively flat.

The site was used during the Cantwell to McKinley Park Paving Project, Number F-037-2(25) in 1974 and 1975 for D-1 (base course).

The laboratory results of samples from this site indicate that the sand and gravel could be suitable for Borrow, Type A. Samples were also retrieved from the proposed MS 522-087-2 that is about one half mile west of -051- on a continuation of the terrace. The degradation results from these samples were 28, 31 and 27.

#### FROZEN CONDITIONS

No frozen soils were found in the test holes in 1964.

#### DRAINAGE AND WATER TABLE

Surficial drainage is minimal on the nearly flat plain surface. Local drainage may collect in the existing excavation particularly during spring breakup. No water table was found in the test holes.

#### CLEARING AND STRIPPING

No clearing or stripping will be necessary in the existing excavation. Vegetation on the undisturbed area of the site is scattered spruce to 12 inches in diameter with dwarf birch trees between the spruce. Scattered areas of thin moss complete the vegetal cover. Up to 6 inches of organic mat mantles up to 2 feet of sandy silt overburden.

### LAND STATUS

The DOT&PF holds a Negotiated Material Sale Contract, Number ADL 408733, for this site. The contract was issued by the Alaska Department of Natural Resources and expires on June 16, 1988. This agreement contains stipulations for the use of this site that should be included in the special provisions of the construction contract.

### MINING PLAN GUIDELINES

Renewed mining could deepen the existing pit or extend the pit to northeast, east and/or southeast. Clearing and stripping debris should be placed on the periphery of the site as shown on the pit plot. Note the section line easements on the south and east sides of the site. A 50 foot vegetative screen should be maintained between the waste area and the road easements. Backslopes in the sand and gravel should be no steeper than 1-1/2:1 for stability. The pit floor should be left relatively smooth and sloped to drain. The existing access from the "old" Denali Highway should remain for future use. The construction of new access from the platted subdivision roads is not recommended.

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND  
PUBLIC FACILITIES

SOILS TESTING REPORT

CHECK ONE

CENTERLINE

PROJECT NAME & NO.

NENANA SOUTH, A-20032

MATERIALS SITE: NO.:

522-051-2

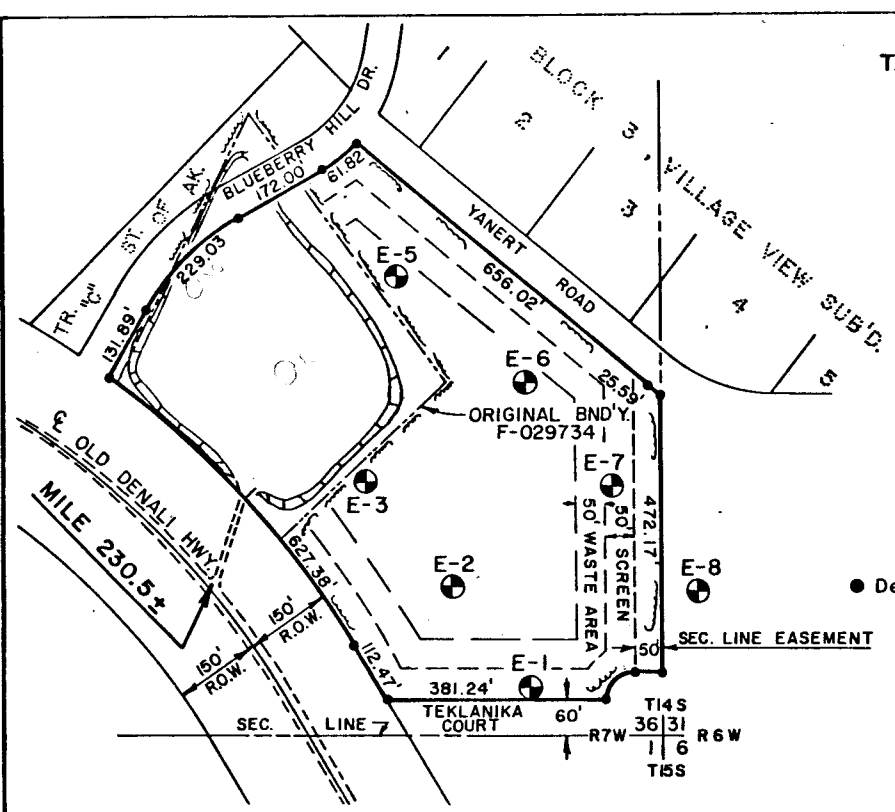
SAMPLED BY:

Livingston

STATION	2500+00	2497+00	2498+75				
OFFSET (FEET)	R350	R350	R650				
DEPTH (FEET)	3-4.5	4-6	6-7				
TEST HOLE NO.	E-9	E-3	E-5	E-1			
FIELD NO.	892	E-2	E-3	E-1			
LAB NO.	64B-1574	1174	1176	1173			
DATE	1964	-	-	-			
ESTIMATED $\pm 10"$							
" $\pm 3"$ to 10"							
PERCENT PASSING	3"	100					
	2"	95	100	100	100		
	1"	73	70	83	98		
	3/4"	66	67	80	98		
	1/2"	58	58	72	97		
	3/8"	52	53	68	97		
	# 4	43	45	56	97		
	#10	33	36	42	96		
	#40	12	21	27	88		
	#50	-	-	-	-		
	#100	-	-	-	-		
	#200	4	9	14	61		
	.02mm	3					
.005mm	2						
LIQUID LIMIT	NV	NV	NV	NV			
PLASTIC INDEX	NP	NP	NP	NP			
SOIL CLASS	A-1-a	A-1-a	A-1-b	A-4(5)			
SOIL DESCRIPTION	SaGr	SlSiSaGr	SiSaGr	SaSi			
NAT. MOISTURE							
Sp.G. Fine	2.72						
Sp.G. Coarse	2.74						
Absorption							
Max. Density	137						
Opt. Moisture	8.3						
L.A. Abrasion							
Degradation							
Sult. Soundness							
Organics							

-82-





T.H. E-5  
 0.0-0.5 Org. Mat. & Silt  
 0.5-10+ Sandy Gravel  
 SAMPLE # E-3  
 A-1-a

T.H. E-6  
 0.0-0.5 Org. Mat. & Silt  
 0.5-10+ Sandy Gravel  
 A-1-a

T.H. E-7  
 0.0-0.5 Org. Mat. & Silt  
 0.5-10+ Sandy Gravel  
 20% +2", 10% +10"  
 SAMPLE # E-4  
 A-1-a

T.H. E-8  
 0.0-1.0 Org. Mat. & Silt  
 1.0-10+ Sandy Gravel  
 15-20% +2", 10-15% +10"

● Denotes Monuments



T.H. E-3  
 0.0-0.5 Org. Mat.  
 0.5-2.0 Sandy Silt  
 2.0-10+ Sandy Gravel  
 8% +10"  
 SAMPLE # E-2  
 A-1-a

T.H. E-2  
 0.0-0.5 Org. Mat.  
 0.5-2.0 Silty Sand  
 2.0-10+ Sandy Gravel  
 A-1-a

T.H. E-1  
 0.0-0.5 Org. Mat.  
 0.5-1.5 Sandy Silt  
 SAMPLE # E-1  
 A-4-5  
 1.5-10+ Clean Sandy Gravel,  
 A-1-a, 15-20% +2",  
 10% +10"

NOTE: TESTHOLES LOGGED 1964

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES ENGINEERING GEOLOGY UNIT	
NENANA - SOUTH FIR-1-0A4-4(2)	
DATA: H.R.L.	M.S. CODE NO. 522-051-2
DRAWN: K.D.B.	
DATE: MAR. 85	SCALE: 0 feet 200

MATERIALS SOURCE NO. 522-051-2 (#20) (Pit "E" 522-067-2)

Remarks

The extension to the north in this source contains A-1-a sandy gravel with some boulders to 18 inches in diameter. Vegetation in this well-drained site is restricted to dwarf birch and scattered white spruce trees.

Area

Recommended area **52-2-051-2** 3.7 acres  
Waste area 0.6 acres  
Total area 4.3 acres

Recalculated Quantities

Stripping (average thickness 1.5 feet)

$$\frac{400 \times 400 \times 1.5}{27} = 8,900 \text{ cu. yds.}$$

Estimated borrow (calculated thickness 20.0 feet)

$$\frac{400 \times 400 \times 20}{27} = 114,800 \text{ cu. yds.}$$

Less slope allowance 11,500 cu. yds.

Total estimated borrow 103,300 cu. yds.

An exposure in the Nenana Canyon 300 feet to the northeast shows more than 30 feet of clean sandy gravel present for a horizontal distance of over 800 feet.

Indicated borrow (calculated thickness 8.5 feet)

$$\frac{400 \times 400 \times 8.5}{27} = 50,400 \text{ cu. yds.}$$

Less slope allowance 5,000 cu. yds.

Total indicated borrow 45,400 cu. yds.

REPORT OF TESTING

PROJECT NAME Cantwell - Menana #2 PROJECT NO. F-052-2(1) SAMPLED BY Livingston

Material Source No. 522-051-2

Station	2500+00	2497+00	2498+75				
Offset (feet)	350 Rt.	350 Rt.	650 Rt.				
Depth (feet)	3 - 4.5	4 - 6	6 - 7				
Test Hole No.	E-9	E-3	E-5				
Field No.	892	E-2	E-3				
Lab. No.	64B-1574	1174	1176				
Approx. % +2"		.17					
% Passing							
2"	95						
1 1/2"	85	82	94				
1"	73	70	83				
3/4"	66	67	80				
1/2"	58 <i>68</i>	58 <i>64</i>	72 <i>58</i>				
3/8"	52	53	68				
#4	43	45	56				
#10	33 <i>31</i>	36 <i>25</i>	42 <i>28</i>				
#40	12	21	27				
#200	4	9	14 <i>11</i>				
.02 mm	3						
.005 mm	2						
Liquid Limit	NV	NV	NV				
Plastic Index	NP	NP	NP				
ASHO Class.	A-1-a	A-1-a	A-1-a				
S.V.	NFS	F-1	F-2				
Sp. G., Coarse	2.74						
Sp. G., Fine	2.72						
Nat. Moist.							
Max. Density	137						
Opt. Moisture	8.3						
Unit Wt., Loose	120.9						
Unit Wt., Rodded	130.0						
L.A. Abrasion							

The data shown herewith was compiled from the samples taken as noted and constitutes the best information available. It is for informational purposes only, and is not guaranteed.

Sample Data as received from the  
District Materials Engineer



MATERIAL SOURCE NO. 22-336-63 (Pit "E") → 52-067-2

LOCATION AND ACCESS 52-2-051-2  
is part of 52-2-067-2

This site is located 150 ft. right of "L" Station 2495+00. No access road exists into the site at present but one can be constructed where convenient along the southwest boundary.

FIELD DESCRIPTION

The sandy gravels of this outwash deposit are relatively clean but contain 5% to 6% of material over 10 in. in diameter. The surface of the deposit is relatively flat; however, a terrace approximately 5.0 ft. high is present along the east side of the pit.

CLEARING

Vegetation in the site consists of 12 in. diameter white spruce on 100 ft. centers, dwarf birch brush to 3.0 ft. high and scattered areas of thin moss.

STRIPPING

Overburden in the site averages 1.0 ft. in thickness and consists of silt and silty fine sand over the gravel.

FROST CONDITIONS

No frozen material was encountered in any of the test holes.

WATER TABLE

No water table was penetrated in any of the test holes in this site.

DRAINAGE

Surface and subsurface drainage is excellent.

AREA

Existing pit	None
Total pit	15.3 Acres
Waste area	0.9 Acres
Total pit plus waste area	16.2 Acres

QUALITY

The sandy gravels of this site are uniform vertically and horizontally. The material is A-1-a and is suitable for select Type I borrow. With appropriate processing it will provide select Type II borrow.

QUANTITIES

Stripping (average horizon 1.0 ft.)

$$\frac{700 \times 900 \times 1.0}{27} = 23,000 \text{ cu. yds.}$$

Borrow

$$\frac{700 \times 900 \times 20}{27} = 466,000 \text{ cu. yds.}$$

$$\text{Less slope correction} = \underline{46,600 \text{ cu. yds.}}$$

$$\text{Total borrow} = 419,400 \text{ cu. yds.}$$

Additional material may be obtained by increasing the depth of excavation and/or extending the pit boundary 500 ft. south.

STATE OF ALASKA  
DEPARTMENT OF HIGHWAYS  
DISTRICT MATERIALS LABORATORY  
FAIRBANKS, ALASKA

REPORT OF TESTING

PROJ. NAME Cantwell-McKinley PROJ. NO. F-052-2(1)

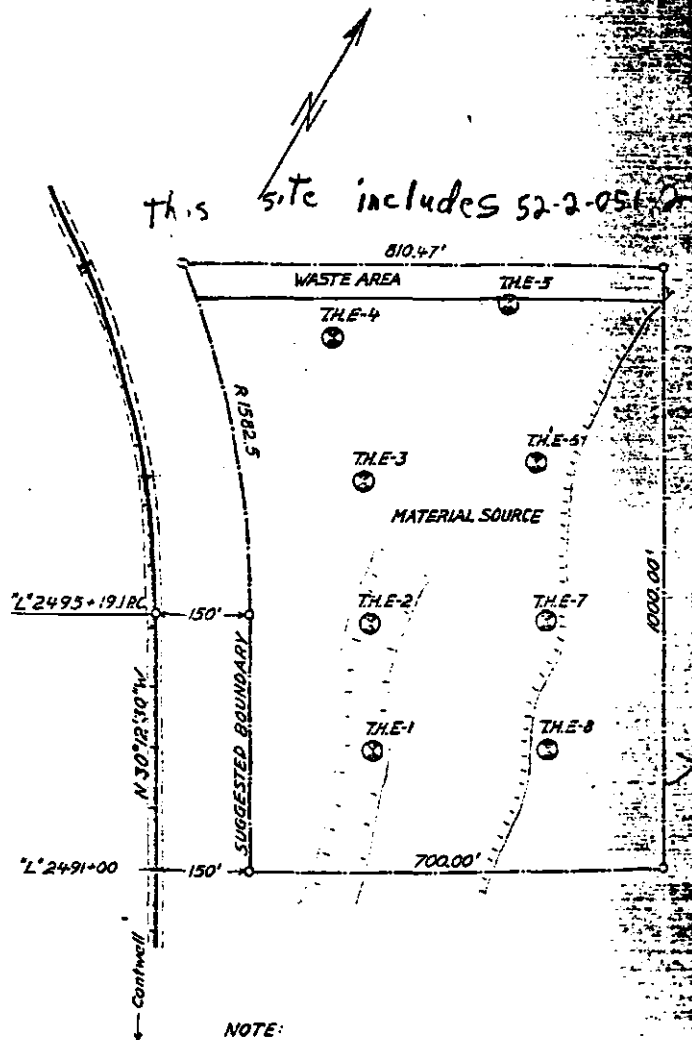
PIT NO. "E" MATERIALS CODE NO. 22-336-63

LOCATION Station 2495+00, 150 ft. rt. SAMPLED BY Livinston

Test Hole No.	Overburden	E	E	E	E
Field No.		E-1	E-2	E-3	E-4
Lab No.		1173	1174	1176	1175
Approx. % +2"			17		12
% Passing 2"					
1 1/2"			82	94	79
1"	98		70	83	76
3/4"	98		67	80	66
1/2"	97		58	72	63
3/8"	97		53	68	57
#4	97		45	56	55
#10	96		36	42	48
#40	88		21	27	23
#200	61		9	14	8
Liquid Limit	nv	NV	NV	NV	NV
Plastic Index	NP	NP	NP	NP	NP
AASHO Class.	A-4(5)	A-1-a	A-1-a	A-1-a	A-1-a
Sp. G., Coarse					
Sp. G., Fine					
Max. Density					
Opt. Moisture					
Unit Wt., Loose					
Unit Wt., Rodded					
L.A. Abrasion					

The data shown herewith was compiled from the samples taken as noted and constitutes the best information available. It is for informational purposes only, and is not guaranteed.

*George Vauma*  
District Materials Engr.



NOTE:  
BOUNDARIES NOT SURVEYED

THE-1

0.0-0.5 Org. Mat.  
0.5-1.5 Sand & Silt  
A-4 (S), F-4  
Sample "E-1, 0.5-1.5"  
1.5-10+ Clean Sandy  
Gravel A-1-a  
15-20%+2" 10%+10"

THE-2

0.0-0.5 Org. Mat.  
0.5-2.0 Silty Sand  
2.0-10+ Sandy Gravel  
A-1-a

THE-3

0.0-0.5 Org. Mat.  
0.5-2.0 Sandy Silt  
2.0-10+ Sandy Gravel  
8%+10"  
A-1-a, F-1  
Sample "E-2, 4.0-6.0"

THE-4

0.0-0.5 Org. Mat. & Silt  
0.5-10+ Sandy Gravel  
A-1-a

THE-5

0.0-0.5 Org. Mat. & Silt  
0.5-10+ Sandy Gravel  
A-1-a, F-2  
Sample "E-3, 6.0-7.0"

THE-6

0.0-0.5 Org. Mat. & Silt  
0.5-10+ Sandy Gravel  
A-1-a

THE-7

0.0-0.5 Org. Mat. & Silt  
0.5-10+ Sandy Gravel  
20%+2" 10%+10"  
A-1-a, NFS  
Sample "E-4, 5.0-7.0"

THE-8

0.0-1.0 Org. Mat. & Silt  
1.0-10+ Sandy Gravel  
15-20%+2" 10-15%+10"

52-2-067-2

THE-1

Cross Section Sta. L 2493+00

QUANTITY: 419,400 yd<sup>3</sup>  
QUALITY: A-1-a, NFS- F-2  
OVERSIZE: 20%+2", 5-6%+10"  
NOTE: TABLE: Not Seen in TH.  
ROCK: None  
VEGETATION: Spruce, Birch & Burned Over Stumps  
TOPOGRAPHY: Level, 5" Section 1/4 of Site E  
TIMBER LOGS: Stream Gravels Consisting  
Chiefly of Limestone, Greenstone,  
Rhyolite, Granite, Andesite

STATE OF ALASKA  
DEPARTMENT OF HIGHWAYS  
FAIRBANKS DISTRICT MATERIALS SECTION

CANTWELL-MCKINLEY  
PROJECT No F-052-2(1)

DATE: H.R.L.	MS. CODE No: 22-336-63
DRAWN: H.A.N.	MAT. SITE NO: "E" 52-067-2
DATE: 1-63	SCALE: 1" = 40'



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
ALASKA ROAD COMMISSION

FIELD INVESTIGATION PIT SHEET

PIT #20

DISTRICT Anchorage DATE 7/27/56 9/26/56  
ROUTE Derali Highway BY B.A. McElhee R.C.J.  
SECTION "D"

Position. Lt. \_\_\_\_\_ Rt. 251 Sta. 1071 to 1075  
Distance Centerline to Center of Pit 250'

Withdrawal Information:

Private? \_\_\_\_\_ If so, whose? \_\_\_\_\_  
Public Domain? Free Use Permit applied for Legal Subdivision \_\_\_\_\_  
Description (Dimensions, ties, etc.): \_\_\_\_\_

Station of Access Road \_\_\_\_\_  
Length of Access Road (Existing) none (Required) none  
Estimated Material Needed for Access Road (Cu. Yd.) none  
Acres Cleared and Stripped at Present none  
Clearing light (Light, Medium or Heavy)  
Stripping 12" (Depth)  
Face Available 10'

Visual Description of Material and Pit:

Rounded or Sharp rounded Water Table Depth 30'  
Organic Pollution none Drainage Possibilities excellent  
Soft Stone Content none Boulders (plus 10 in.) 5 to 10%  
Cementation none Permafrost or Ice none  
Stratification none Ave. Depth of Pit 20'

Other Remarks: Pit could be extended to include 5 acres of like material on opposite side of road.

Amount Available 30,000 c.y.  
Sample Number \_\_\_\_\_

% oversize \_\_\_\_\_ (3" to 10")

Sieve Size	% Passing
3"	
1½"	
1"	
¾"	
½"	
No. 4	
No. 10	
No. 40	
No. 100	
No. 200	
Pan	

Grading Analysis

By \_\_\_\_\_  
Date \_\_\_\_\_

Check — Borrow  Crusher Site

DENALI HIGHWAY, SECTION D

Work Order 1353

Pit No. 20, Station 1073+00

LABORATORY SUMMARY

Sieve Analysis, % Total Passing

<u>Sieve Size</u>	<u>Pit Run Gradation</u>
3"	93.6%
1-1/2"	78.1
1"	69.0
3/4"	63.4
1/2"	53.6
3/8"	47.6
No. 4	35.3
No. 10	25.7
No. 30	13.9
No. 40	9.5
No. 80	5.0
No. 200	3.0









ASLS

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3-8

3-8

3-8





ASLS

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2010









































































































IT IS UNLAWFUL TO DISTURB  
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S 34 S 31  
S 1 S 6  
T 15 S  
1968  
ASTRAL SURVEY  
AND MANAGEMENT





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