

INVENTORY OF EXISTING GRAVEL PITS
ALONG MAJOR HWYS. & COMMUNITIES
IN THE YUKON TERRITORY

BEAVER CREEK

AC 1 of 16



D003297

INTRODUCTION

This inventory of existing gravel (borrow) pits along major Yukon highways and around some specific communities was prepared in March-July, 1977 by Archer, Cathro & Associates Ltd. of Whitehorse under DINA contract Y6 LA 15 dated February 17, 1977. The bulk of the inventory was prepared by Michael P. Phillips who researched available information in government files within Yukon and drove all the highways covered in this inventory. Project supervisor was Mr. R.S. Friesen, Research and Special Projects Officer, Northern Operations Branch, Yukon Region, DINA. The inventory comprises 2,474 borrow pits and test sites.

The preparation of the inventory was stimulated by (1) the lack of systematic information on existing locations of road-building material and concrete aggregate, and (2) a desire to establish a uniform data base that could be maintained and up-dated by individual Resource Management Officers (RMO's) throughout the territory.

The inventory consists of individual data pages prepared for each borrow pit or test site within each Resource Management Area (R.M. Area). Individual pits or sites are given an identification number and are numbered consecutively on each highway, commencing at the R.M. Area boundary or highway junction and increasing in the same direction as the highway mileage posts (MP). The format for the individual pages was designed after studying the information already contained in government files and holding discussions with the various government agencies involved on the type of information that should be collected and recorded by RMO's.

The study comprises office and field investigations of all Yukon highways except the North and South Canal Roads, Nahanni Range (Cantung) Road, Aishihik Road beyond Otter Falls, Snag Road, the Dempster Highway beyond

Eagle River bridge (MP 236) and recreation roads such as Kusawa Lake Road, Mush Lake Road, Freegold Road, Nansen Road, Ethel Lake Road, Mayo Lake Road, and Tatchun Lake-Frenchman Lake Road. Gravel pits at each community except Whitehorse were also inventoried.

An example inventory page covering borrow site 65 at MP 1022.2 on the Alaska Highway (Kluane R.M. Area) is shown on the following pages, with a simple surface sketch plan copied from DPW files. This is an example of a site that has been studied in more detail and has a great deal of data included on the page. The majority of the sites in Yukon have received no study at all.

The standard 8½" x 11 inch page size and three-ring binder format has been adopted because:

- (a) it is inexpensive to duplicate;
- (b) it can be easily revised by adding new pages or substituting updated pages for old pages;
- (c) information gaps are visually obvious to senior Whitehorse personnel and to RMO's who will be responsible for updating the inventory pages within their respective management areas.

In addition, new borrow pits or test sites can easily be inserted in the numbering system by filling out a new page and designating it with an immediate number (e.g. 65A or 65.1). Additional information on a site, such as a drill plan, legal survey or sketch of a gravel pit reserve, or a photograph can be inserted behind the appropriate page as it becomes available or is revised.

Accurate site locations are plotted on strip topographic maps along the highway alignments, which are filed in a pocket at the back of this book.

Wherever possible, the National Topographic System 1:50,000 scale series has been used for base maps. However, the Campbell Highway between Carmacks and Little Salmon Lake is not plotted on the published 1:50,000 scale maps and test sites for that stretch of road have been plotted on a simplified 1:50,000 scale line map. In the few instances where 1:50,000 coverage is unavailable, 1:250,000 scale maps were enlarged by hand to provide a crude 1:50,000 scale map.

The type of information required in each portion of the inventory page is discussed on the following pages.

YUKON GRAVEL INVENTORY

(A) R.M. Area: Kluane Borrow or Test Site No: 65

(B) Location: Highway No: 1 Side ☒ R ☐ L Distance: 0.2 mi
 MP 1022.2 KP Highway Name: Alaska Access Excellent

Tenure: Gravel Pit Reserve Appl. Current Status: Active
 Plan Yes ☐ No ☒

(C) STOCKPILE
SITE
TYPE
HISTORY

Date: May/77 Crush Amount: ± 750 Cu.Yds.

Description: Moderate Sidehill Tree Cover: Thick Spruce, Popl

Material: Gravel Deposit:

Past Use: Borrow - Surfacing Date:

Performance Rating: Amount Used:

Remarks:

(D) TEST SUMMARY

Augered ☐ Pitted ☒ Trenched ☐ Not Indicated ☐
 Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐

Date: July/69 Sites Sampled: 4 Pits

(E) SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	<u>1'</u>	<u>0</u>	
Material	<u>15½'</u>	<u>14'</u>	

Quantity (CuYds) Estimated Proven

Remarks: Some calcite coating gravel.

(F) LAB. TEST RESULTS

Los Angeles Abrasion % Loss: 17.3 Crush Count:

Other Tests: Petrographic Analysis - Quartzite - 50%; Granite - 20%; Limestone - 15%; Porphyry - 5%; Others - 10%

Grain Size Analysis		% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	
Av.-4 Pits		88	66	50	39	31	14	3	--	NP	
Crush-1" 1 Pit		100	85	55	41	30	14	4	--	NP	
Crush-1 Pit 3/4"		100	98	69	46	32	15	3	--	NP	

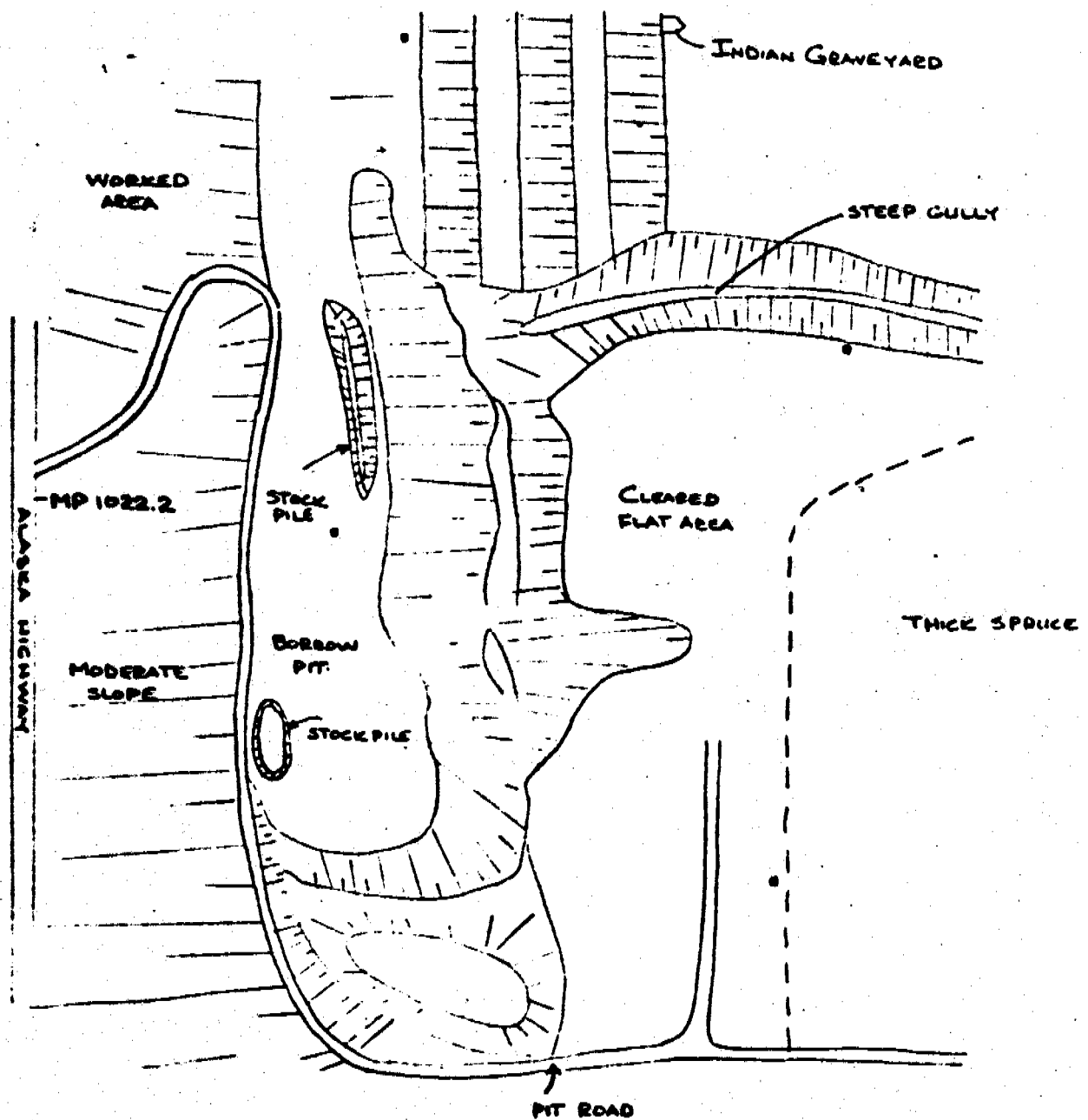
(G) Potential
Conflicts

Environmental: Indian Grave, Scenic Viewpoint

Land Use:

(H) REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data;
Federal Lands Office



SITE NO 65
KLUANE R.M.A

TEST AREA

ALASKA HIGHWAY MP 1022.2 R.H.S

NO SCALE
● TEST PIT

(A) GEOGRAPHIC LOCATION

(1) Resource Management Area (R.M. Area)

Area names and boundaries were obtained from a 1:500,000 scale wall plan in the Yukon Forest Service Whitehorse office. Area boundaries are illustrated on individual 1:50,000 scale gravel inventory plans and the 1:1,000,000 scale index map.

(2) Borrow or Test Site Number

Excavations made for road building and maintenance materials are called gravel pits by the layman. Engineering terminology defines gravel as material with rounded rock fragments between 3/8" and 3" in diameter and excludes sand or clay. Borrow, as defined in the American Institute of Geology's Glossary of Geology is earth material (sand, gravel) taken from one location to be used for fill in another location. This definition does not include weathered and fresh bedrock which is often used in Yukon where glacial or fluvial deposits are not developed (e.g. North Dempster and Boundary Highways). Bedrock excavations should correctly be called quarries but in this inventory, borrow refers to all excavations made for road building or maintenance and includes both overburden and bedrock material.

A test site is a locality where DPW has conducted materials investigations and testing.

Pits are numbered in sequence, starting at unity for each R.M. Area, and borrow and test sites are distinguished by separate map symbols. Borrow sites can be differentiated from test sites on the inventory

sheets by the word borrow after the heading "Past Use" in the Site Data section.

New pits added to the inventory should be identified with an intermediate letter or number (e.g. 65A or 65.1) following the lowest adjacent site number.

(3) Location

All sites are located by road mileage (MP) because only the Alaska and Klondike Highways have been converted to metric distance markers to date. Most published NTS maps show occasional MP locations and mileage locations were determined in the field from MP markers and bridge signs. Space has been provided to add kilometre post locations (KP) for each site as metrication is completed on each highway.

(4) Highway Number and Name

These were taken from the official Yukon Territorial Government road map. Roads with no official name have been called by the most common local name. The Boundary Road is often called the Taylor Highway.

(5) Side

R and L refer to the right and left sides of the highway when facing in the direction of increasing road mileage.

(6) Distance

This is the distance of the borrow or pit from the road right-of-way. Most sites are beside the road and are designated as adjacent.

(7) Access

This refers to the condition of the borrow access road. If the space is left blank it means that access has been removed or destroyed by regrowth of vegetation.

(B) TENURE & STATUS

(1) Tenure

Most borrow sites occur on unreserved Crown land but a few gravel pits have been developed under a Gravel Pit Reserve application. A legal description and/or plan of the reserve is attached to the pertinent inventory page if available. In a few cases, a gravel reserve plan is available even though there is no record that an application for a reserve has been made.

(2) Current Status

Sites are classed as either active or inactive. Active sites on major highways and roads are usually used to provide crushed surfacing material while sites on secondary highways and roads are usually used to provide naturally occurring surfacing material. Inactive sites include both construction and crushing borrows.

(C) SITE DATA

(1) Stockpile

(a) Date - This refers to the month and year when the stockpile was inventoried by Archer, Cathro.

(b) Amount - The amount of stockpile is a rough estimate in cubic yards. As crushed material is being continually withdrawn and/or replaced during the summer, the stockpile should be updated annually by the area RMO.

(2) Site

(a) Description - This refers to the topography in the immediate site area which is categorized as either gentle, moderate or steep.

(b) Tree Cover - The density surrounding the site is given as either light, moderate or heavy with the first tree-type listed being the most common.

(3) Type

(a) Material - This is a visual description rather than a technical or engineering description obtained from DPW records.

(b) Deposit - Generally loosely classified as glacial (ice moved) or fluvial (water moved) in origin.

(4) History

(a) Past Use - The word borrow is inserted in this heading to differentiate a test site from a borrow site. The word crusher site or surfacing is added if it appears material was used for stockpiling crush.

(b) Date - This refers to the last date the borrow was used and has usually been obtained from DPW records.

(c) Performance Rating - This is a value judgment made by DPW personnel of the suitability of crushed material for road surfacing.

(d) Amount Used - This refers to total quantity of material used from a borrow site.

(e) Remarks - Any additional comments by DPW testing personnel are given under this heading.

(D) TEST SUMMARY

This section briefly summarizes information stored in DPW records. Files on individual sites are often incomplete.

(E) SUBSURFACE TEST RESULTS

Information in this section has been taken from DPW hole and pit logs. Actual depth of aggregate in the deposit will exceed this unless bedrock is indicated. Material depth is the hole or pit depth less the overburden depth.

(F) LABORATORY TEST RESULTS

(1) Los Angeles Abrasion % Loss

This is a test to determine the wearing characteristics of pit material. A sized sample is placed in a drum with steel balls and tumbled for a specified time and the loss in size is expressed as a percentage of the original.

(2) Crush Count

A sample with rock fragments above 1/4" diameter is passed through a crusher. Fragments with at least one fresh fracture surface are noted and expressed as a percentage of the original material.

(3) Petrographic Analysis

This is a catalogue of the rock types represented in a sample of 1/4" diameter or larger fragments to determine if any deleterious material is present.

(4) Grain Size Analysis

This is a summary of tests performed at a materials testing laboratory. The sampled material, called pitrun, is sieved and the percentage of grain sizes is recorded. Material finer than the No. 200 sieve size is either silt or clay and is determined by liquid limit (LL) and plastic index (PI) tests. NP means the material has no plasticity. Tested material can include both crushed and uncrushed samples.

(G) POTENTIAL CONFLICTS

This heading was rarely completed in this inventory. In general, large pits near the road detract from the aesthetic appearance of the highway and the recent policy of obtaining borrow beyond sight of the road should be continued.

(H) REFERENCE

(1) DPW Materials Inventory

Results on borrow and test sites are available for the Alaska Highway, Haines Road and Campbell Highway between Carmacks and Faro junction. Most of the information is on the Alaska Highway.

For the Alaska Highway, a five volume set of books summarizes results which have been indexed by mileage on an 8½" x 11" form similar to that used in this inventory. Separate pages with test sample results, drill or pit hole logs and plan or sketch are sometimes included with this form but only drill hole or pit logs are available in some cases.

Large scale, detailed plans have been prepared for sites where many holes have been drilled or pits have been dug. These show hole or pit locations and elevations, topographic and cultural features, as well as cross sections through holes or pits. A simplified version of these plans has been included in this inventory.

(2) DPW Legal File

This 8½" x 11" file has plans of gravel pit reserves. A legal description of reserve is sometimes attached to the plan.

(3) Federal Lands Office

A separate file for each Gravel Pit Reserve is kept at the Federal Lands Office in the YTC Building. Mr. W. Ward summarized these files in table form in February, 1977 according to Resource Management Area.

(4) YTC Department of Highways

This department provided an incomplete tabular list of all known active borrow sites on Yukon highways except the Boundary Road, Dempster Highway and North and South Canol Roads.

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 1	
Location: MP 1103.9	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP Highway Name: Aslaska		Access	
Tenure: Gravel Pit Reserve Appl. Plan Yes ☐ No ☒		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu. Yds.
	Description:	Tree Cover:	
	Material: Sand	Deposit:	
	Past Use:	Date:	
	Performance Rating:	Amount Used:	
	Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
	Date: June/58			
	Sites Sampled:			
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated Proven			
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr> <td>Pitrun-Av.</td> <td>3 samples</td> <td>100</td> <td>92</td> <td>77</td> <td>66</td> <td>42</td> <td>13</td> <td>2</td> <td>19</td> <td>--</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	Pitrun-Av.	3 samples	100	92	77	66	42	13	2	19	--																																	
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									
Pitrun-Av.	3 samples	100	92	77	66	42	13	2	19	--																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory. Alaska Highway Technical Data Federal Lands Office
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 2	
Location: MP 1104.0	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

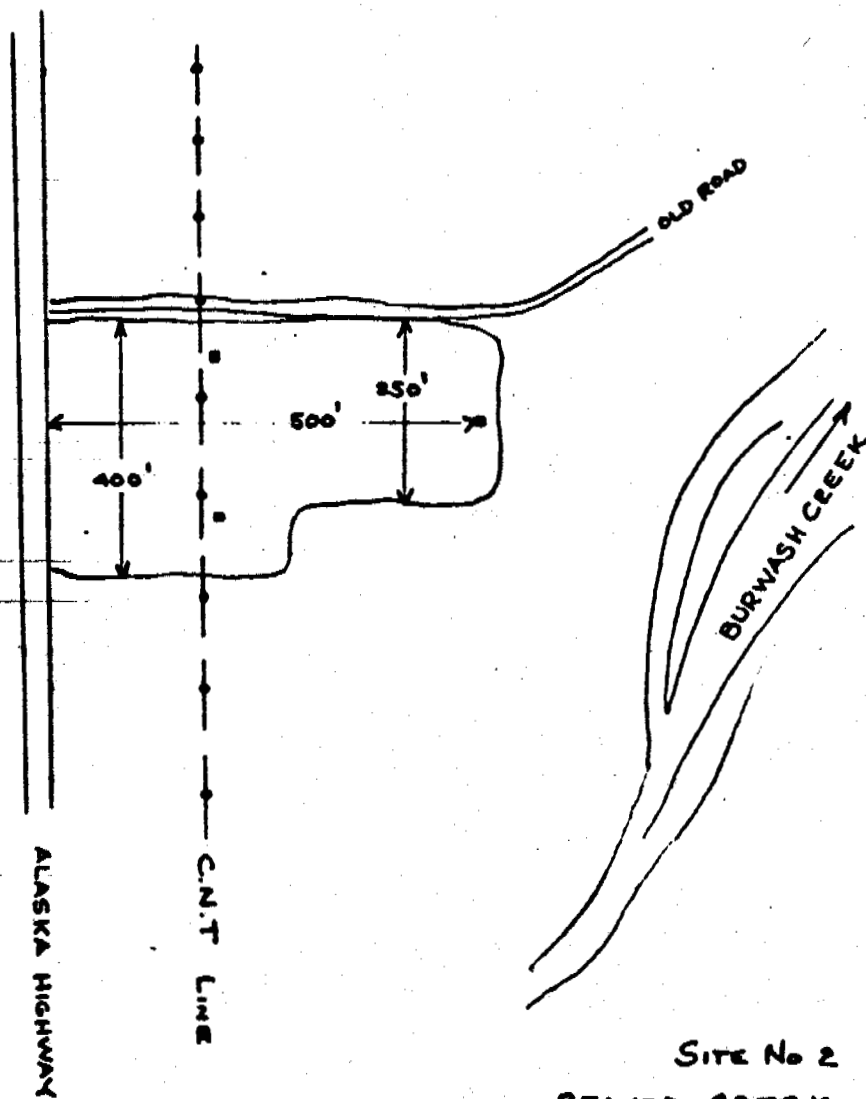
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Heavy Spruce
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☒	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: July/69	Sites Sampled: 3 pits		
	Depth	Max.	Min.	Average
	Overburden		0'	
	Material		15'	
	Quantity (CuYds) Estimated		Proven	
Remarks: Silt not plastic				

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun-Av.	3 pits	61	39	28	21	14	6	2	0	0

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data
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SITE No 2
BEAVER CREEK R.M.A.

TEST AREA

ALASKA HIGHWAY MP 1104 ORHS

NO SCALE

■ TEST PIT

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 3	
Location: MP 1004.5	Highway No:	Side R ☐ L ☒	Distance: Adjacent
KP Highway Name: Alaska Highway		Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat & Gently Rolling	Tree Cover:
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 4

Location: Highway No: 1 Side R ☐ L ☒ Distance: Adjacent
 MP 1009.4 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status: Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Gentle - Mod. Slope Tree Cover: Heavy Spruce
 Material: Gravel Deposit:
 Past Use: Borrow Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

Date: Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity: (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 5

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1100.0 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status: Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Flat Tree Cover: Light Alder
 Material: Clay Deposit:
 Past Use: Borrow Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

SUBSURFACE
TEST RESULTS

Date: Sites Sampled:
 Depth Max. Min. Average
 Overburden
 Material
 Quantity (CuYds) Estimated Proven
 Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 6	
Location: MP 1111.0	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Glacial Till	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: July/69	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun		85	80	65	55	42	30	22	18.3	2.9

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory, Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 7

Location: Highway No: 1 Side R ☐ L ☒ Distance: Adjacent
 MP 1112.8 KP Highway Name: Alaska Access

Tenure: Gravel Pit Reserve Plan. Current Status: Active
 Plan Yes ☒ No ☐

STOCKPILE
SITE
TYPE
HISTORY

Date: May Crush Amount: $\pm$ 3000 Cu.Yds.
 Description: Steep Hill Tree Cover:
 Material: Gravel, Silt, Sand Deposit:
 Past Use: Borrow - Crusher Site Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐

Date: 1971 Sites Sampled: 29 holes

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden		0'	
Material		15'	

Quantity (CuYds) Estimated Proven

Remarks: Permafrost above cleared area, material hard in cleared area.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests: Petrographic Analysis: Limestone - 30%; Granite - 30%; Diorite - 10%;
 Quartzite - 20%; Others - 10%

Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun-Av.	7 holes	98	92	80	65	50	33	20	16	2
Pitrun-Av.	8 holes	100	97	88	78	68	55	38	18	3
Pitrun-Av.	2 samples	99	94	84	71	59	44	29	17	2
Crush-3/4"	Av. 27 holes	99	99	70	55	46	35	22	15	2

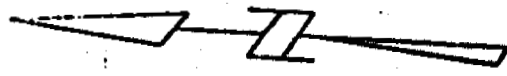
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory
 Alaska Highway Technical Data
 DPW Legal File



M.P.
1112.8

R/W

H2218A

ALASKA HIGHWAY

300'

WHITEHORSE

357° 17' 26"

70'

R/W

1200'

267° 17' 26"

1200'

33 ACRES

1200'

67° 17' 25"

1200'

177° 17' 26"

DEPARTMENT OF PUBLIC WORKS

MINISTÈRE DES TRAVAUX PUBLICS

WHITEHORSE
Y.T.

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE
L.H.S.

scale:
échelle: 1" = 300'

date:

revisions

ALASKA HIGHWAY
M.P. 1112.8

designed by
conçu par

drawn by N. L. O. C. S. F.L.D. 1972
dessiné par

checked by
vérifié par

approved by
approuvé par

filed by
num. du plan: 22-75

T.O. 72-45

22-75

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 8	
Location: MP 1115.1	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Mod. Slope	Tree Cover: Heavy Spruce
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 9	
Location: MP 1116.8	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Rock Quarry Reserve Appl. Plan Yes ☐ No ☒		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Heavy Spruce
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	Federal Lands Office
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YUKON GRAVEL INVENTORY

R.H. Area: <u>Beaver Creek</u>		Borrow or Test Site No: <u>10</u>	
Location: <u>MP 1118</u>	Highway No: <u>1</u>	Side <u>R</u> ☒ <u>L</u> ☐	Distance: <u>Adjacent</u>
KP <u>1118</u>	Highway Name: <u>Alaska</u>	Access: <u>Good</u>	
Tenure: Gravel Pit Reserve App. <u>Plan</u>		Current Status: <u>Inactive</u>	
Yes ☒ No ☐			

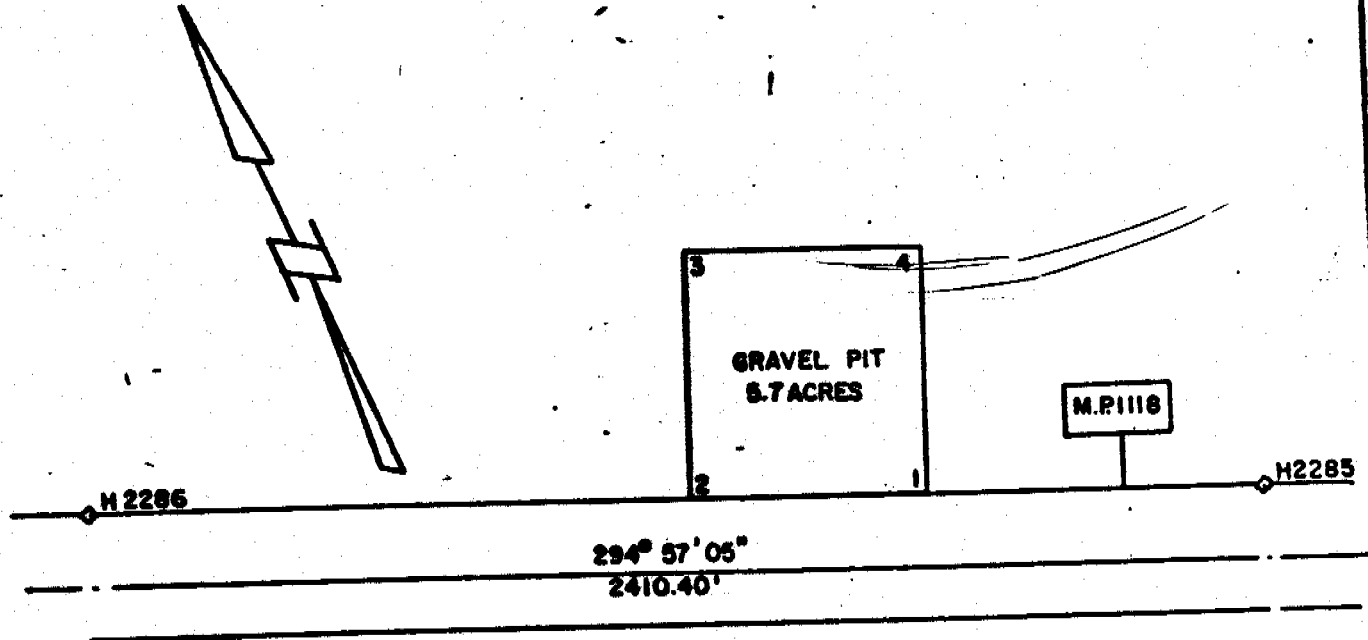
STOCKPILE SITE TYPE HISTORY	Date: <u> </u>	Amount: <u> </u> Cu.Yds.
	Description: <u>Flat</u>	Tree Cover: <u>Mod.Spruce, Poplar</u>
	Material: <u>Gravel</u>	Deposit: <u> </u>
	Past Use: <u>Borrow</u>	Date: <u> </u>
	Performance Rating: <u> </u>	Amount Used: <u> </u>
Remarks: <u> </u>		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	<u> </u>
SUBSURFACE TEST RESULTS	Date: <u> </u>	Sites Sampled: <u> </u>		
	Depth	Max.	Min.	Average
	Overburden	<u> </u>	<u> </u>	<u> </u>
	Material	<u> </u>	<u> </u>	<u> </u>
	Quantity (CuYds) Estimated <u> </u>		Proven <u> </u>	
	Remarks: <u> </u>			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <u> </u>	Crush Count: <u> </u>								
Other Tests: <u> </u>										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Potential Conflicts	Environmental: <u> </u>
	Land Use: <u> </u>

REFERENCE:	<u>DPW Legal File</u> <u>Federal Lands Office</u>
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 DEPARTMENT OF PUBLIC WORKS CONSTRUCTION & ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT	Drawing title: Titre du dessin: GRAVEL PIT RESERVE Scale: Echelle: 1" = 400'		designed by conçu par MAY 1977		
	ALASKA HIGHWAY M.P. 1118		drawn by dessiné par reviewed by examiné par approved by approuvé par <table border="1"> <tr> <td>project no no du projet</td> <td>dwg. no dessin no</td> </tr> </table>		project no no du projet
project no no du projet	dwg. no dessin no				

LEGAL DESCRIPTION

GRAVEL PIT MILE 1118

Commencing at Legal Survey Monument H-2285 on a true bearing of 294 degrees 57 minutes for a distance of 700 feet to post #1; thence on a true bearing of 294 degrees 57 minutes for a distance of 500 feet to post #2; thence on a true bearing of 24 degrees 57 minutes for a distance of 500 feet to post #3; thence on a true bearing of 114 degrees 57 minutes for a distance of 500 feet to post #4; thence on a true bearing of 204 degrees 57 minutes for a distance of 500 feet to post #1, point of commencement.

NOTE:

Line cut and surveyed

June 1954

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 11

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1118.4 KP ☐ Highway Name: Alaska Access: None

Tenure: Plan Yes ☐ No ☐ Current Status: Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Flat Tree Cover: Mod. Poplar
 Material: Clay Deposit:
 Past Use: Borrow Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

SUBSURFACE
TEST RESULTS

Date: Sites Sampled:

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity: (CuYds) Estimated Proven
 Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental: Land Use: REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 12	
Location: MP 1119.3	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Hummocky	Tree Cover: Thick Spruce
	Material: Sand	Deposit:
	Past Use: Inactive	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 13

Location: Highway No: 1 Side R ☒ L ☒ Distance: Adjacent
 MP 1119.9 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status: Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Flat to Steep Side Hill Tree Cover: Light Poplar
 Material: Gravel Deposit:
 Past Use: Borrow Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

Date: Sites Sampled:

SUBSURFACE TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 14

 Location: Highway No: 1 Side R ☐ L ☒ Distance: Adjacent
 MP 1121.2 KP Highway Name: Alaska Access

 Tenure: Plan Yes ☐ No ☐ Current Status: Inactive - Water Filled

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount: Cu.Yds.

Description: Gentle Slope

Tree Cover:

Material: Clay

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 15	
Location: MP 1121.9	Highway No: 1	Side R ☐ L ☐	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover: Mod. Spruce
	Material: Sand Silt Glacial Till	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: Oct/71		Sites Sampled: 12 holes	
	Depth	Max.	Min.	Average
	Overburden	4 1/2'	3'	
	Material	8'	6'	
	Quantity (CuYds) Estimated		Proven	
Remarks: Permafrost and swamp site, not feasible for crusher site.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
1	3'-11'		100	94	85	72	54	45	21	2
6	3 1/2' - 9'		100	98	90	79	60	50	19	5

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data
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SITE IS
BEAVER CREEK R.M.A.

TEST AREA
ALASKA HIGHWAY MP 1121.9 LHS

1 IN = 200 FT

○ TEST HOLES

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 16	
Location: MP 1128.9	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Moderate Slope	Tree Cover: Mod. Alder
	Material: Clay, Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 17

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1129.0 KP Highway Name: Alaska Access Good

Tenure: Gravel Pit Reserve Appl. Current Status: Active
 Plan Yes ☒ No ☐

STOCKPILE
SITE
TYPE
HISTORY

Date: May/77

Amount: 750 Cu.Yds.

Description: Gentle Sidehill

Tree Cover: Mod. Alder

Material: Gravel

Deposit:

Past Use: Borrow - Surfacing

Date: 196?

Performance Rating: Fair

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐

Date: May/66, 1971

Sites Sampled: 26 Holes

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity (CuYds) Estimated Proven

Remarks: Permafrost in uncleared portion of deposit. High in fines.
 PI quite low.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests: Petrographic Analysis - Basalt - 20%; Limestone - 60%; Granite - 15%;
 Quartzite - 5%

Grain Size Analysis		% Passing Sieve Size							
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL PI
Pitrun - Av. 14 holes		99	96	87	76	65	51	35	18 3
Field Crush - Av. 4 holes		100	98	76	61	50	32	19	16.2 2.3
Crush-3/4" Av. 14 holes			97	71	60	51	40	27	16 3

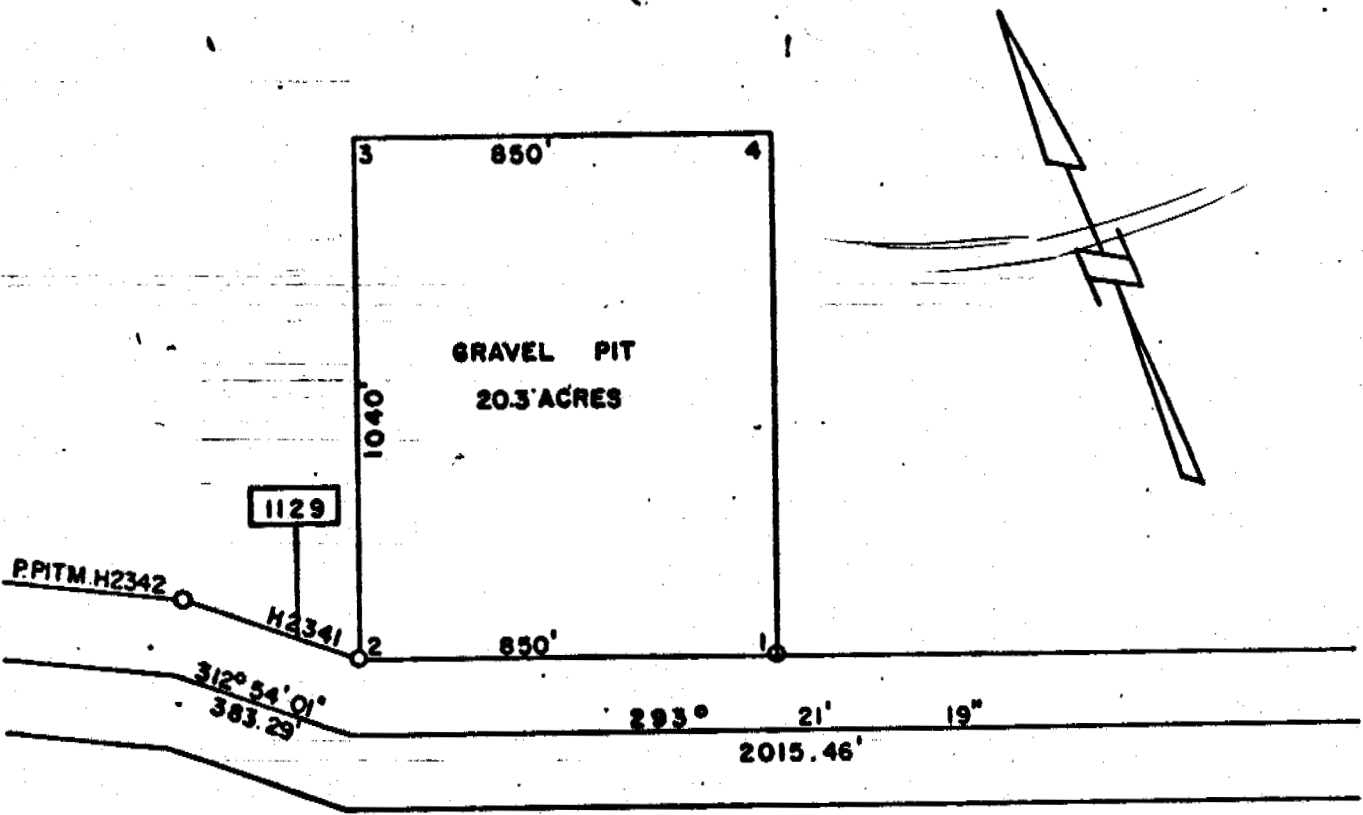
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory
 Alaska Highway Technical Data
 DPW Legal File
 Federal Lands Office



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
titre du dessin:

GRAVEL PIT RESERVE

scale:
échelle: 1" = 400'

ALASKA HIGHWAY
MP. 1129

designed by
conçu par

date

drawn by
dessiné par

MAY 1972

reviewed by
examiné par

approved by
approuvé par

project no
no du projet

dwg no
dessin no

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 18	
Location: MP 1131.0	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Gravel Pit Reserve Appl. Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Steep, Mod. Sidehill	Tree Cover: Mod. Poplar, Alder
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Legal File Federal Lands Office
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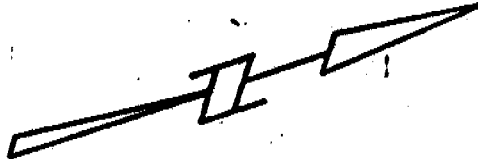
LEGAL DESCRIPTION

**Temporary Application N.W.H.S. Pit
Pending Survey Existing Road by D.L.S.
Also Survey Tie by Roads Dept.**

Mile 1131

No. 1 Post is located at Mile 1131; thence 2112 feet + on a true bearing of 16 degrees 53 minutes + to Post No. 2; thence 1500 feet + on a true bearing of 106 degrees 53 minutes + to Post No. 3; thence 2112 feet + on a true bearing of 196 degrees 53 minutes + to Post No. 4; thence 1500 feet + on a true bearing of 286 degrees 53 minutes + to Post No. 1 point of commencement.

1131



R/W

16° 53'

2112'

1500'

GRAVEL

PIT

72.7 ACRES



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE

scale:
échelle 1" = 400'

ALASKA HIGHWAY
M.P. 1131

designed by
conçu par

date

drawn by
dessiné par

MAY 1972

reviewed by
examiné par

approved by
approuvé par

project no.
no. du projet

dwn no.
dessin no.

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 19

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1131.4 KP Highway Name: Alaska Access: Poor

Tenure: Plan Yes ☐ No ☐ Current Status: Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Steep - Mod. Sidehill Tree Cover: Mod. Poplar
 Material: Gravel Deposit:
 Past Use: Borrow Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

Date: Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity: (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 20

Location: Highway No: 1 Side R ☐ L ☐ Distance: Adjacent
 MP: 1135.0 KP ☐ Highway Name: Alaska Access ☐

Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Tree Cover:
 Material: Deposit:
 Past Use: Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐

Date: Oct/71 Sites Sampled: 2 Holes

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	13'	9'	
Material	5'	5'	

Quantity (CuYds) Estimated Proven

Remarks: No samples, ground frozen.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count:

Other Tests:

Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver CreekBorrow or Test Site No: 21Location: Highway No: 1 Side R ☒ L ☐ Distance: 0.1 mi
MP 1142.3 KP Highway Name: Alaska Access Tenure: Plan Yes ☐ No ☐ Current Status:STOCKPILE
SITE
TYPE
HISTORYDate: Amount: Cu.Yds.Description: Tree Cover: Thick SpruceMaterial: Deposit: Past Use: Date: Performance Rating: Amount Used: Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐
Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐Date: May/70Sites Sampled: 3 HolesSUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	<u>3½'</u>	<u>1'</u>	
Material	<u>6'</u>	<u>3'</u>	

Quantity: (CuYds) Estimated Proven Remarks: Permafrost 5'-7' Below Surface. No Samples.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count: Other Tests:

Grain Size Analysis

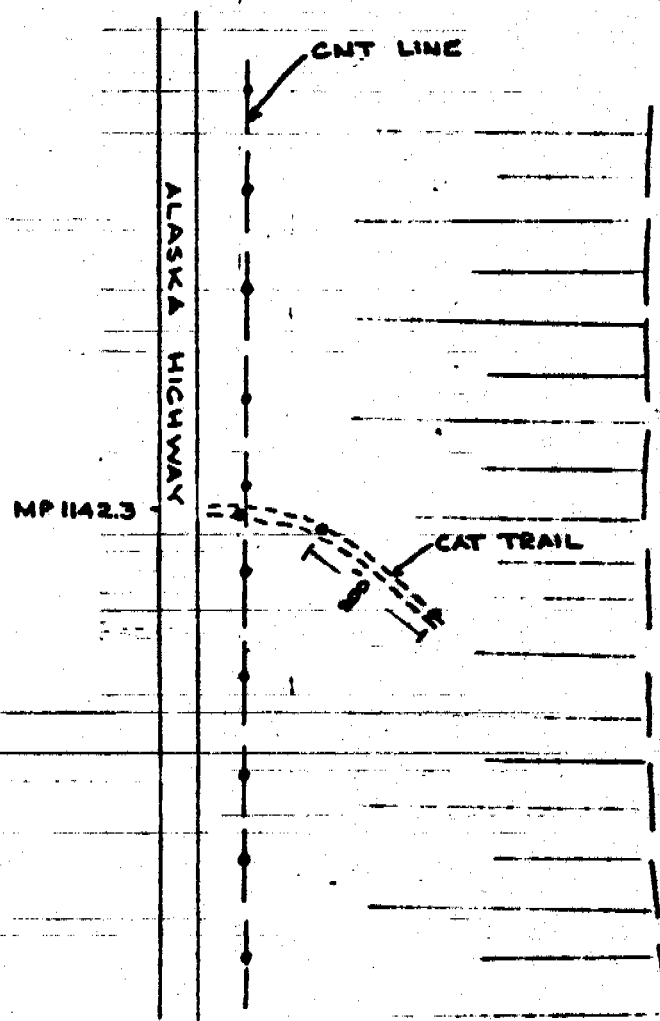
% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
ConflictsEnvironmental: Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO. 21

BEAVER CREEK RMA

TEST AREA

ALASKA HIGHWAY MP 1142.3 RHS

NO SCALE

• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 22	
Location:	Highway No: 1	Side	R ☒ L ☐
MP 1143.1	KP	Highway Name: Alaska	Distance: Adjacent
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

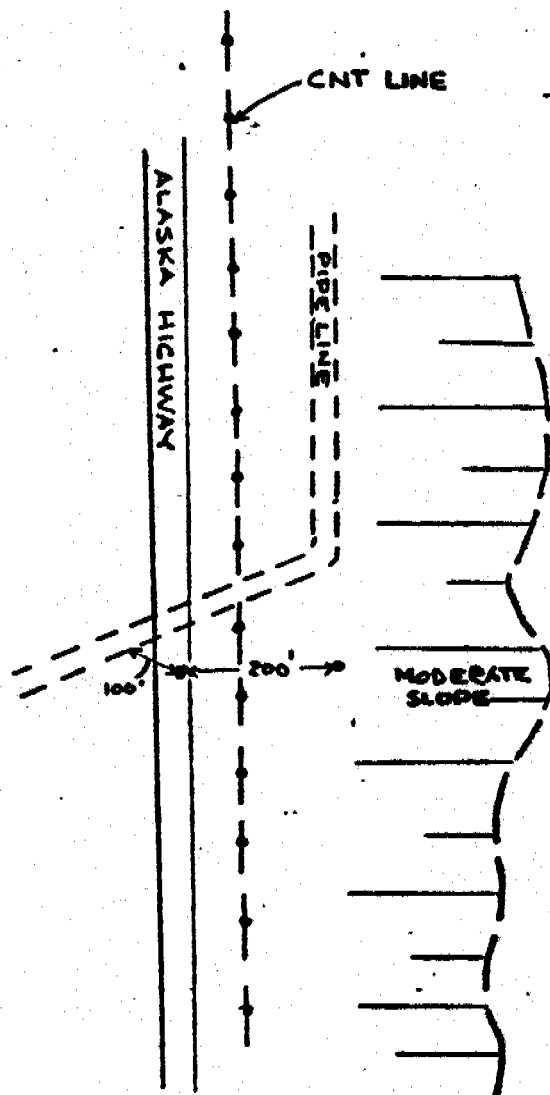
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover: Mod. Pine
	Material:	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: May/70		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden	5'	3'	
	Material	5'	1'	
	Quantity (CuYds) Estimated		Proven	
	Remarks: Permafrost 0'-3' Below Surface, No samples			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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SITE NO 22
BEAVER CREEK RMA
TEST AREA
ALASKA HIGHWAY MP 1143.1 R45
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 23

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
MP 1143.4 KP Highway Name: Alaska AccessTenure: Plan Yes ☐ No ☐ Current Status:STOCKPILE
SITE
TYPE
HISTORY

Date:

Amount: Cu.Yds.

Description:

Tree Cover:

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	10'	7'	
Material	1'	0'	

Quantity (CuYds) Estimated Proven

Remarks:

Permafrost Below Surface.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

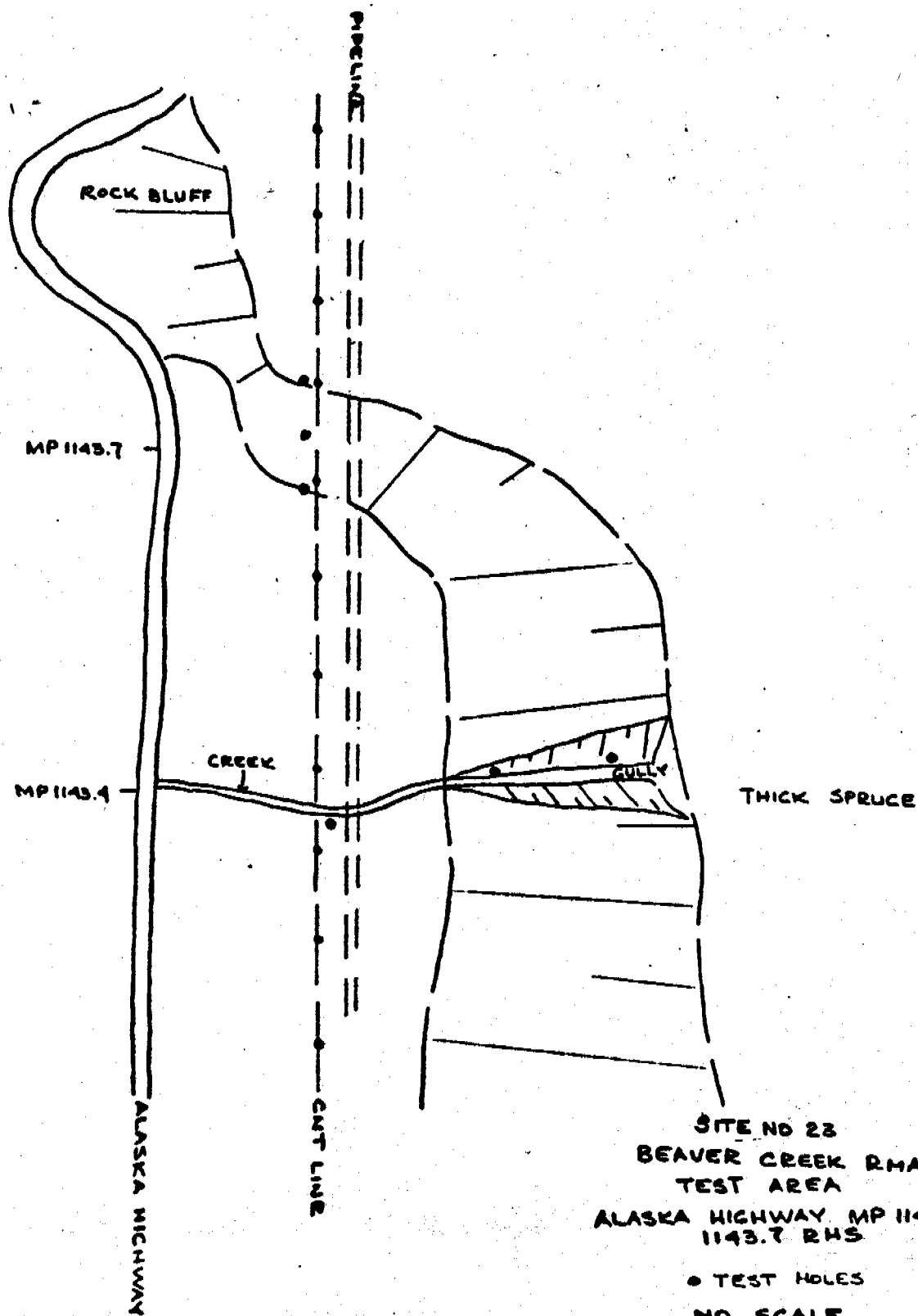
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory
Alaska Highway Technical Data



YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 24	
Location: MP 1143.7	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

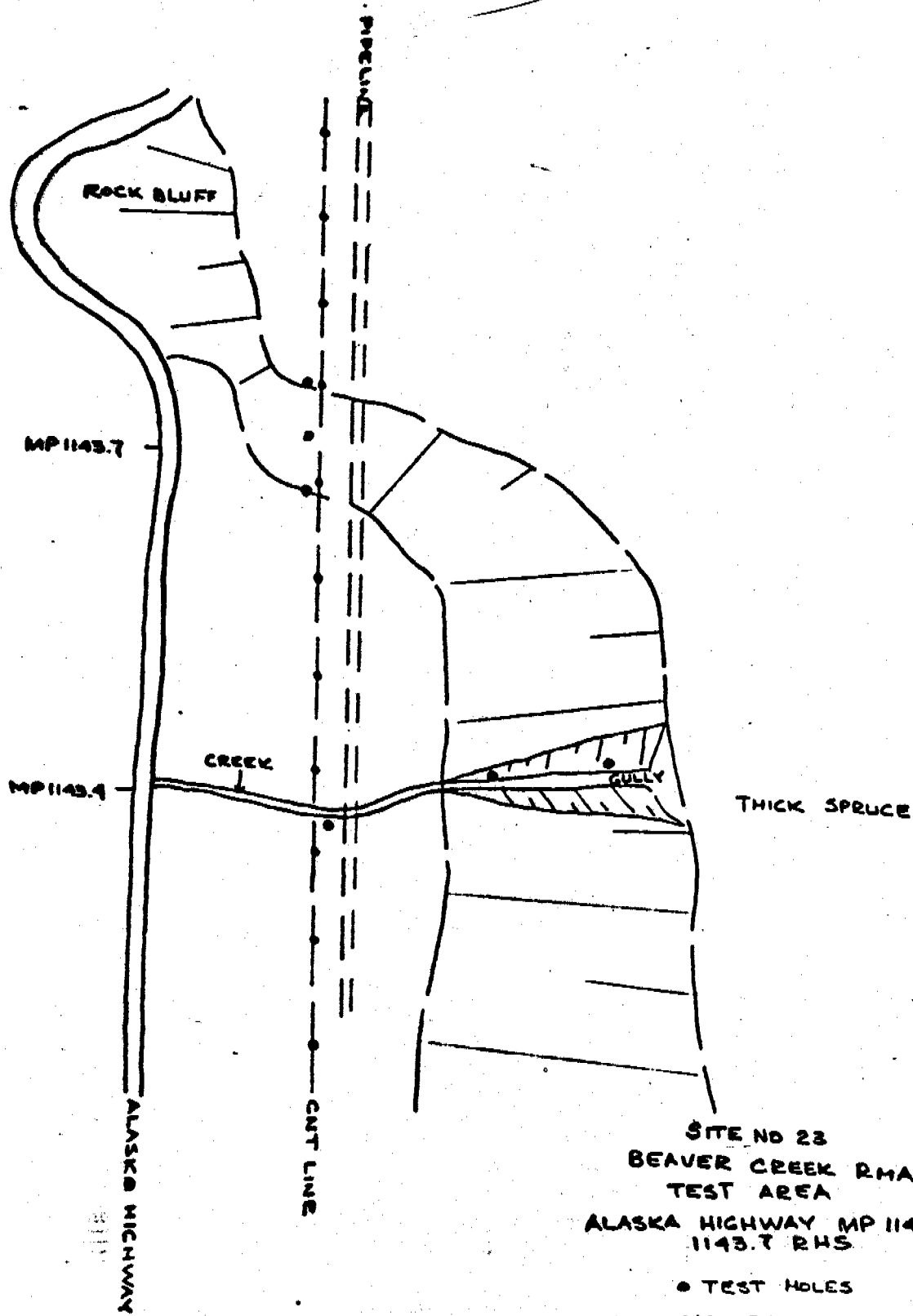
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover: Heavy Spruce
	Material:	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled: 3 Holes		
	Depth	Max.	Min.	Average
	Overburden	10'	5'	
	Material	3'	0'	
	Quantity (CuYds) Estimated		Proven	
Remarks: Permafrost and water below surface. No Samples.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 25

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
MP 1145.3 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
Description: Tree Cover:
Material: Deposit:
Past Use: Date:
Performance Rating: Amount Used:
Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐
Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐

Date: May/70 Sites Sampled: 3 Holes

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	10'	3'	
Material	0	0	

Quantity (CuYds) Estimated Proven

Remarks: Permafrost Below Surface. No Samples.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

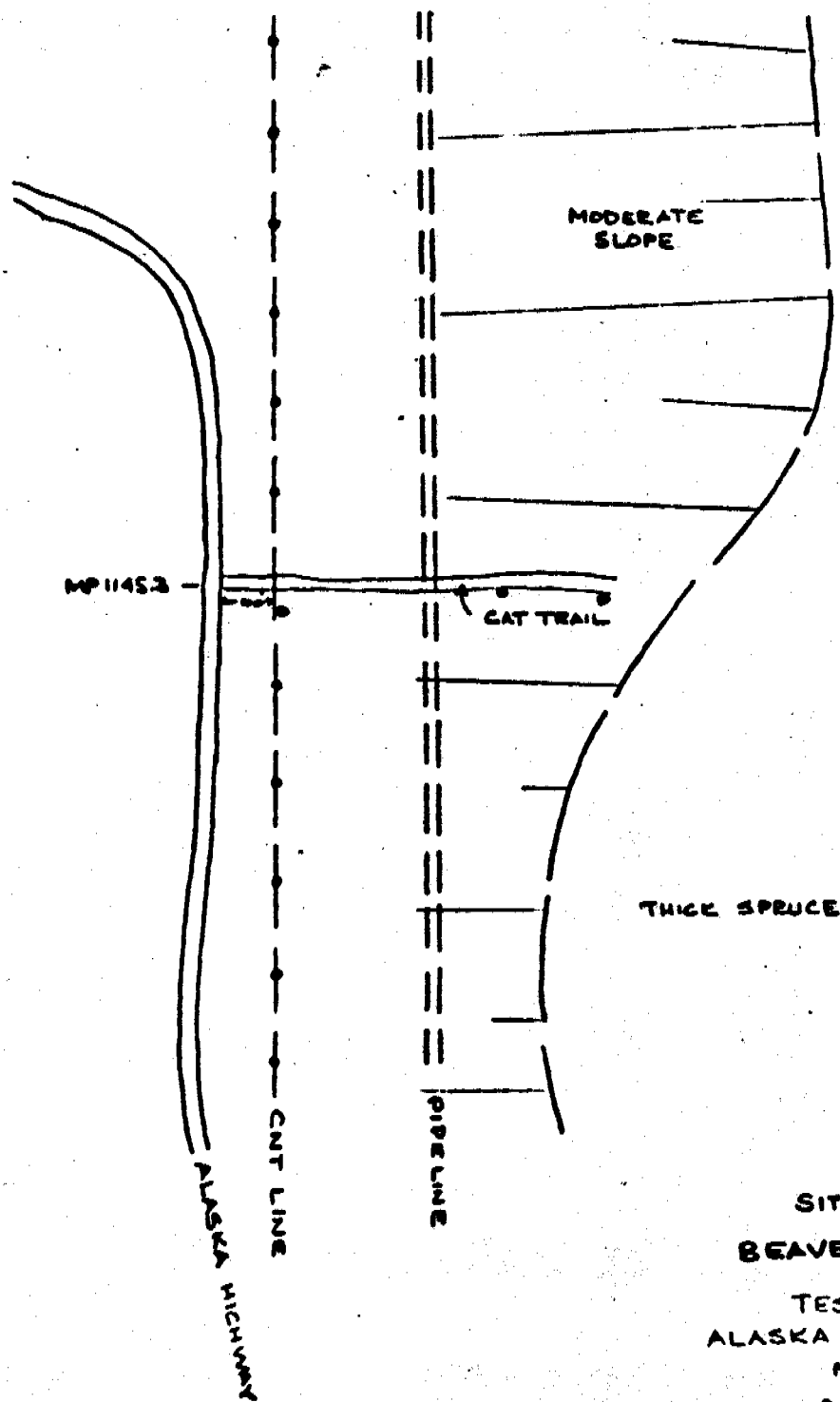
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPM Materials Inventory; Alaska Highway Technical Data



SITE NO 25
BEAVER CREEK RMA
TEST AREA
ALASKA HIGHWAY MP 1145.3 RM
NO SCALE
• TEST HOLES

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 26	
Location: MP 1145.6	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP Highway Name: Alaska		Access 	
Tenure: Plan Yes ☐ No ☐		Current Status: 	

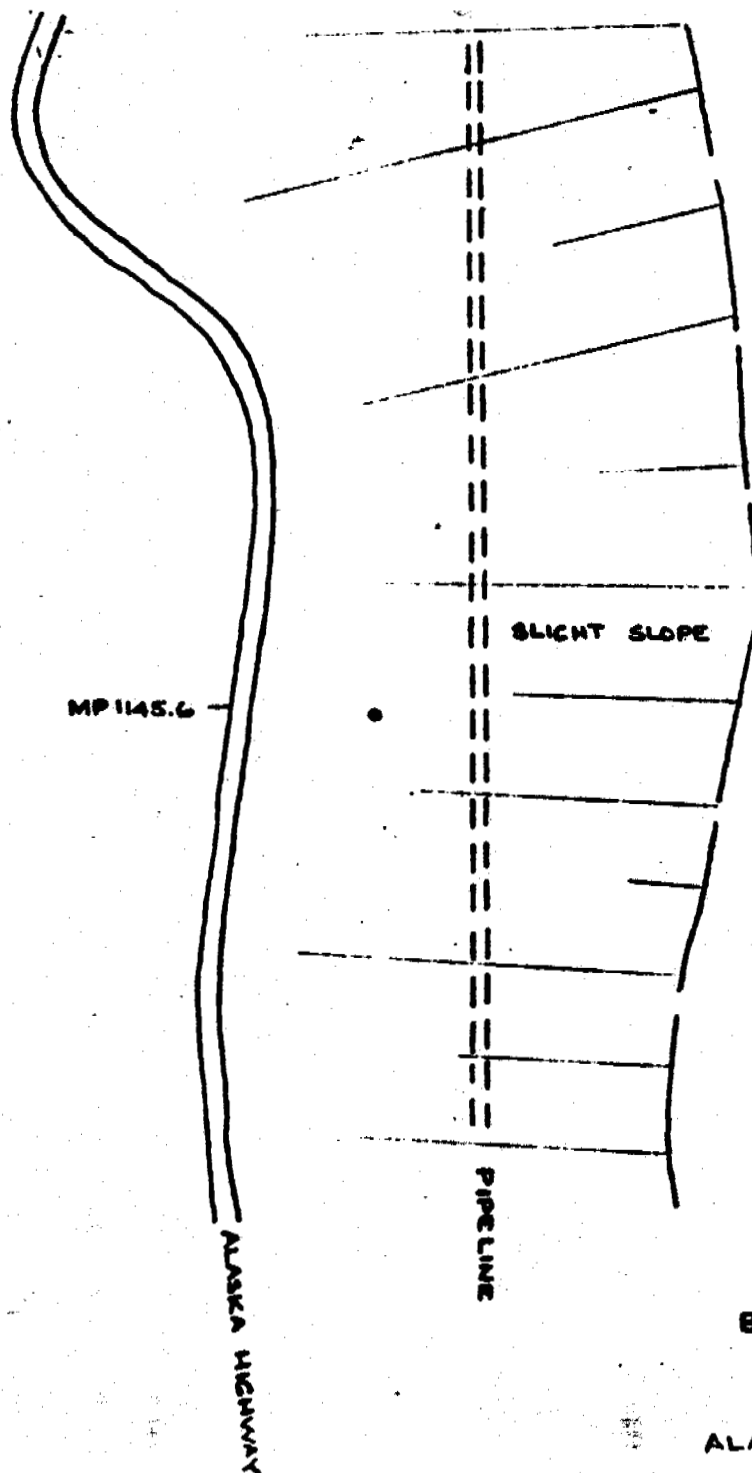
STOCKPILE SITE TYPE HISTORY	Date: 	Amount: Cu.Yds.
	Description: 	Tree Cover: Mod. Spruce
	Material: 	Deposit:
	Past Use: 	Date:
	Performance Rating: 	Amount Used:
Remarks: 		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: May/70		Sites Sampled: 1 Hole	
	Depth	Max.	Min.	Average
	Overburden	6'	1'	
	Material	1	0	
	Quantity (CuYds) Estimated 		Proven 	
Remarks: 				

LAB. TEST RESULTS		Los Angeles Abrasion % Loss: 		Crush Count: 						
Other Tests: 		 								
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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SITE NO 26
BEAVER CREEK RMA

TEST AREA
ALASKA HIGHWAY MP 1145.6

NO SCALE
● TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 27

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1146.0 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE
SITE
TYPE
HISTORY

Date:

Amount: Cu.Yds.

Description:

Tree Cover:

Material: Gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☒Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐

Date: May/66

Sites Sampled: ?

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity: (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun		74	60	45	35	27	10	3	--	NP
Pit		87	53	43	34	27	10	2	--	NP

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 28	
Location:	Highway No: 1	Side: R ☐ L ☒	Distance: Adjacent
MP 1146.6	KP	Highway Name: Alaska	Access
Tenure: Plan		Current Status:	
Yes ☐	No ☐		

STOCKPILE	Date:	Amount:	Cu.Yds
	Description:	Tree Cover:	
SITE	Material:	Deposit:	
TYPE	Past Use:	Date:	
	Performance Rating:	Amount Used:	
	Remarks:		

TEST SUMMARY	Augered	☐	Pitted	☐	Trenched	☐	Not Indicated	☒
	Lab. Test	☒	Sketch (Plan)	☐	Crushed:	☐		
SUBSURFACE TEST RESULTS	Date: Dec/64		Sites Sampled:					
	Depth	Max.		Min.		Average		
	Overburden							
	Material							
	Quantity: (CuYds) Estimated Proven							
Remarks:								

[illegible]

Potential Conflicts	Environmental:
	Land Use:

REFERENCE :

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 29	
Location: MP 1146.7	Highway No: 1	Side R ☐ L ☒	Distance: 0.3 mi
KP	Highway Name: Alaska	Access: Excellent	
Tenure: Gravel Pit Reserve		Current Status: Inactive	
Plan Yes ☒ No ☐			

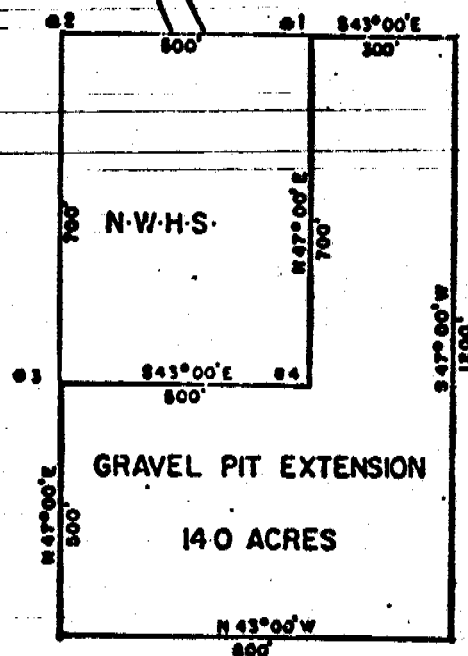
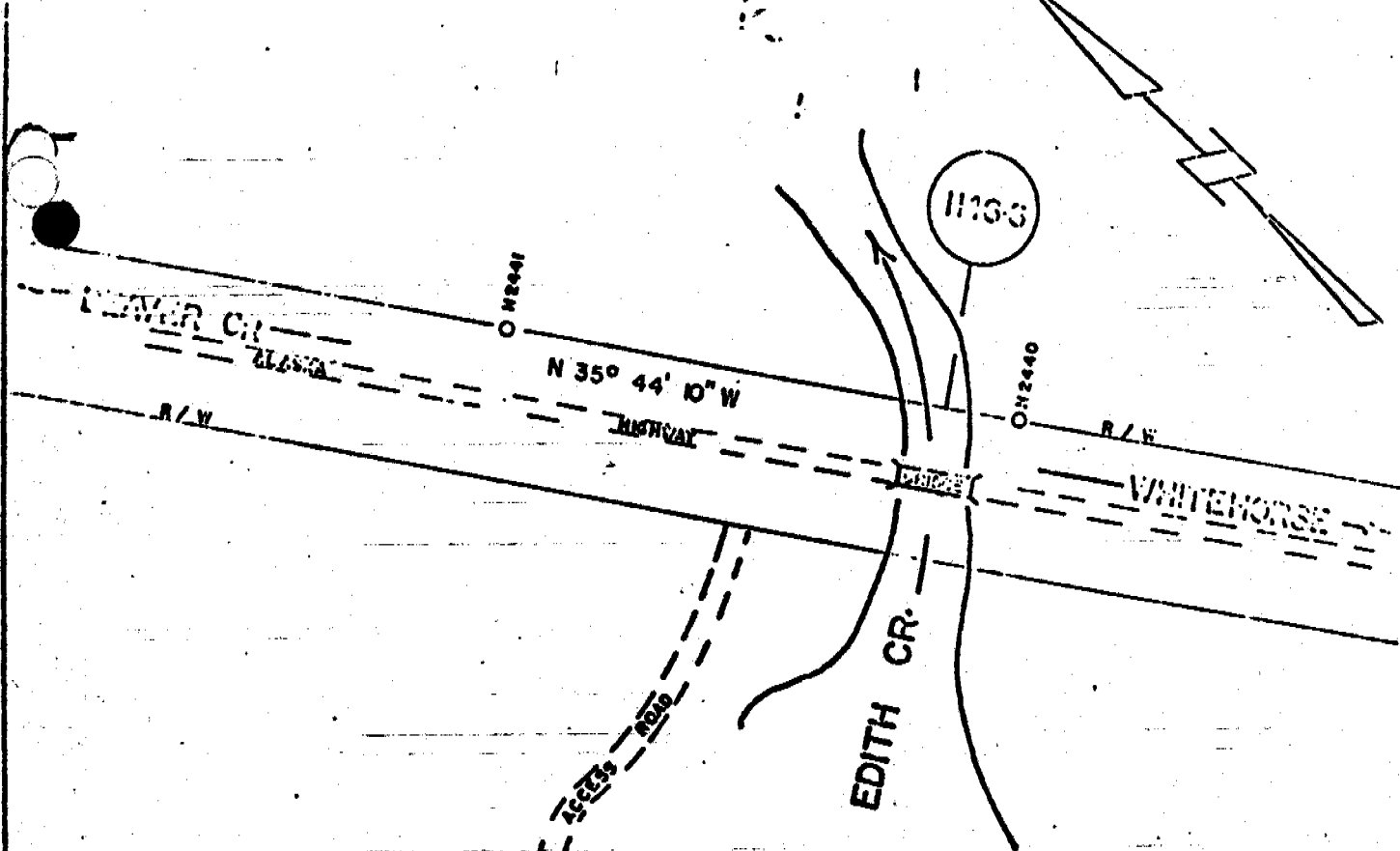
STOCKPILE SITE TYPE HISTORY	Date: May/77	Crush Amount: + 500 Cu.Yds.
	Description: Flat	Tree Cover: Heavy Spruce
	Material: Gravel	Deposit:
	Past Use: Borrow - Surfacing - Crusher	Date: 1972
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☒	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: May/70	Sites Sampled: 20 Holes		
	Depth	Max.	Min.	Average
	Overburden			
	Material		11'	
	Quantity (CuYds) Estimated		Proven	
	Remarks: Subject to flooding from Edith Creek. Poor surfacing material, requires addition of clay binder			

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Labcrush-3/4"	Av. 7 Holes	97	55	33	25	15	5		--	--
Av. 4 Holes	Sandy Silt						75			0

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data DPW Legal File; Federal Lands Office
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DEPARTMENT OF PUBLIC WORKS

Drawing title:

GRAVEL PIT

scale: 1" = 400'

d. to: JAN 1971

ALASKA HIGHWAY
MP 11436 (L.H.S.)

designed by: V. S.

drawn by: N. L.

reviewed by:

approved by:

project no.:

sheet no.:

T.S. 11-5

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 30	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: 3.5 mi
MP 1146.7	KP ☐ Highway Name: Alaska	Access ☐	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material:	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: 1971		Sites Sampled: Hand Sample	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	Z Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Hand Sample			100	97	92	84	66	52	22	8

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	BFW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 31

Location: Highway No: 1 Side R ☐ L ☒ Distance: Adjacent
 MP 1147.1 KP ☐ Highway Name: Alaska Access ☐

Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Tree Cover:
 Material: Deposit:
 Past Use: Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☒
 Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐

Date: Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count:

Other Tests:

Grain Size Analysis		Z Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
515		100	72	88	38	31	12	2	--	NP

Potential
Conflicts

Environmental: Land Use:

REFERENCE:

DFW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No:

32

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1147.8

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material: Poorly graded silty gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: Dec/70

Sites Sampled:

1 Hole

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

5'

Material

11'

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost at 8'

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
1	4-15'	100	72	35	23	18	13	6		NP

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory - Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

K.M. Area: Beaver Creek		Borrow or Test Site No: 33	
Location: MP 1147.9	Highway No: 1	Side R ☐ L ☐	Distance:
KP Highway Name: Alaska		Access	
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material:	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: May/69	Sites Sampled: 1 Hole		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:
Other Tests:		
Grain Size Analysis		% Passing Sieve Size
Hole No.	Depth	1-1/2" 3/4" 3/8" No. 4 No. 10 No. 40 No. 200 LL PI
514		90 47 31 24 18 7 2 -- NP
Pitrun		85 71 52 40 29 10 2 -- NP

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 34	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1149.1	KP	Highway Name: Alaska	Access
Tenure: Plan		Current Status: Could not locate.	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover: Light spruce
	Material:	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: Dec/70		Sites Sampled: 1 Hole	
	Depth	Max.	Min.	Average
	Overburden		1'	
	Material		13'	
	Quantity (CuYds) Estimated		Proven	
	Remarks: No sample			

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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MP 1149.1

100'

BORROW
PIT

ALASKA HIGHWAY

SITE NO 34
BEAVER CREEK RMA

TEST AREA
ALASKA HIGHWAY MP 1149.1

NO SCALE
● TEST HOLE

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 35

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
MP 1149.2 KP Highway Name: Alaska Access GoodTenure: Plan Yes ☐ No ☐ Current Status:STOCKPILE
SITE
TYPE
HISTORYDate: Amount: Cu.Yds.
Description: Flat Tree Cover: Stunted Spruce
Material: Sand Deposit:
Past Use: Date:
Performance Rating: Amount Used:
Remarks:

TEST SUMMARY

Augered ☐ Pitted ☒ Trenched ☐ Not Indicated ☐
Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐

Date: July/69 Sites Sampled: 2 pits

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	3'	2'	
Material	1'	0'	

Quantity (CuYds) Estimated Proven

Remarks: Water table - 2½'; Permafrost - 3'; No samples

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

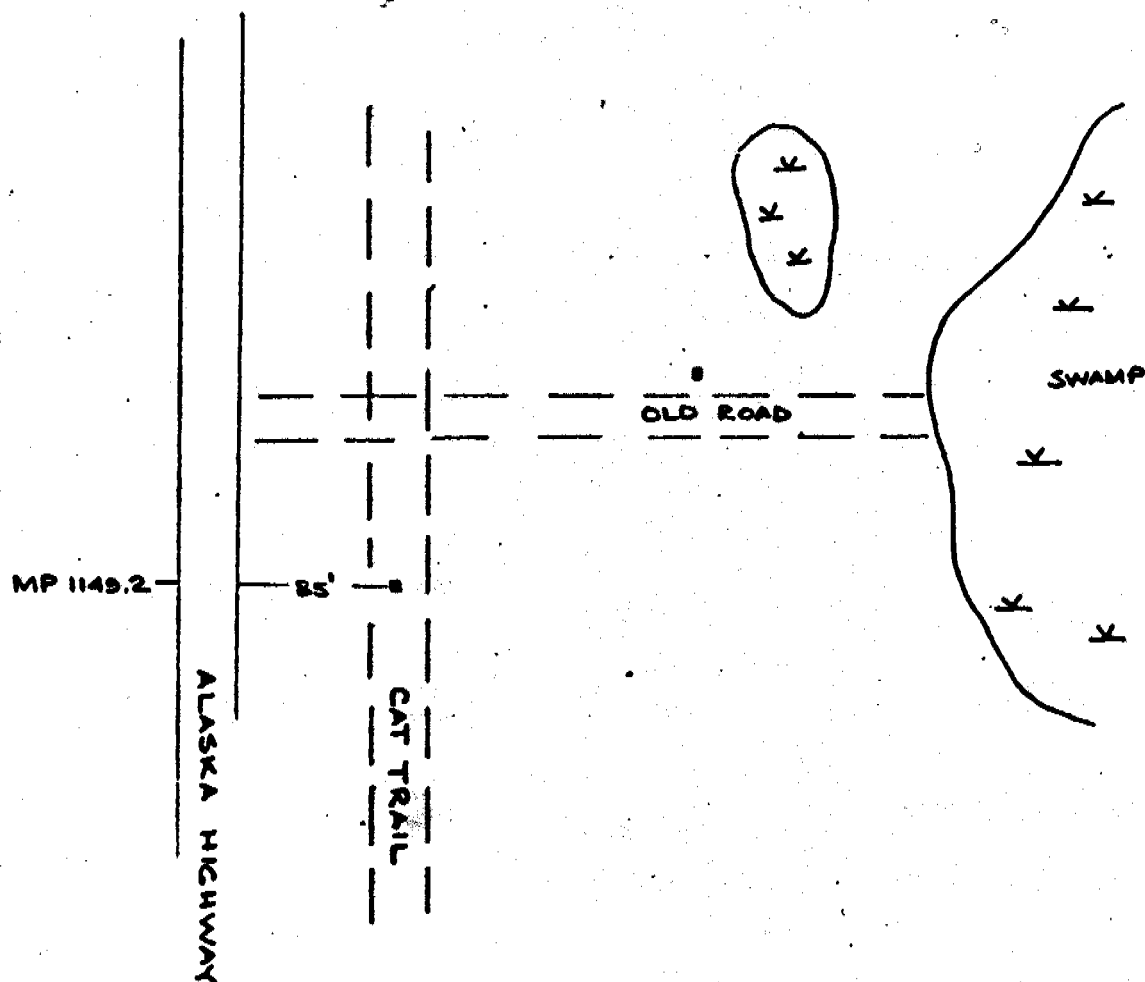
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO 35
BEAVER CREEK R.M.A

TEST AREA
ALASKA HIGHWAY MP 1149.2 R.H

NO SCALE
■ TEST PIT

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 36

 Location: Highway No: 1 Side R ☒ L ☐ Distance: 0.4 mi
 MP 1149.4 KP ☐ Highway Name: Alaska Access ☐

 Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date: Amount: Cu.Yds.Description: Tree Cover:

Material: Gravel

Deposit: Past Use: Date: Performance Rating: Amount Used: Remarks:

TEST SUMMARY

Augered ☐ Pitted ☒ Trenched ☐ Not Indicated ☐Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐Date: Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth Max. Min. Average

Overburden Material

Quantity (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count: Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
517		100	84	67	57	44	21	15	--	NP
Pitrun		74	55	43	34	21	7	1	--	--

Potential
ConflictsEnvironmental: Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 37

 Location: Highway No: 1 Side R ☐ L ☒ Distance: Adjacent
 MP 1150.0 KP Highway Name: Alaska Access

 Tenure: Plan Yes ☐ No ☐ Current Status:

 STOCKPILE
 SITE
 TYPE
 HISTORY

 Date: Amount: Cu.Yds.
 Description: Tree Cover:
 Material: Gravel Deposit:
 Past Use: Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

 Augered ☐ Pitted ☒ Trenched ☐ Not Indicated ☒
 Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐

Date: July/69

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden		1/2'	
Material		2 1/2'	

Quantity: (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

Z Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

 Potential
 Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 38	
Location:	Highway No: 1	Side R ☐ L ☒	Distance:
MP 1150.1	KP	Highway Name: Alaska	Access
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu.Yds.
	Description:	Tree Cover:	
	Material:	Deposit:	
	Past Use:	Date:	
	Performance Rating:	Amount Used:	
	Remarks:		

TEST SUMMARY SUBSURFACE TEST RESULTS	Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☒			
	Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐			
	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity (CuYds) Estimated Proven				
Remarks:				

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
519		100	87	59	43	30	10	1	—	NP
518		100	94	77	53	33	10	3	—	NP

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 39

Location:

Highway No: 1

Side

R

L

Distance:

Adjacent

MP 1150.8

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes

No

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Thick Spruce

Material: Sand

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered

☐

Pitted

☐

Trenched

☐

Not Indicated

☐

Lab. Test

☐

Sketch (Plan)

☐

Crushed:

☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

K.M. Area: Beaver Creek		Borrow or Test Site No: 40	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
MP 1150.1	KP	Highway Name: Alaska	Access
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Thick Spruce
	Material: Sand, Clay	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 41	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1151.5	KP	Highway Name: Alaska	Access
Tenure: Plan Yes ☐ No ☐		Current Status:	

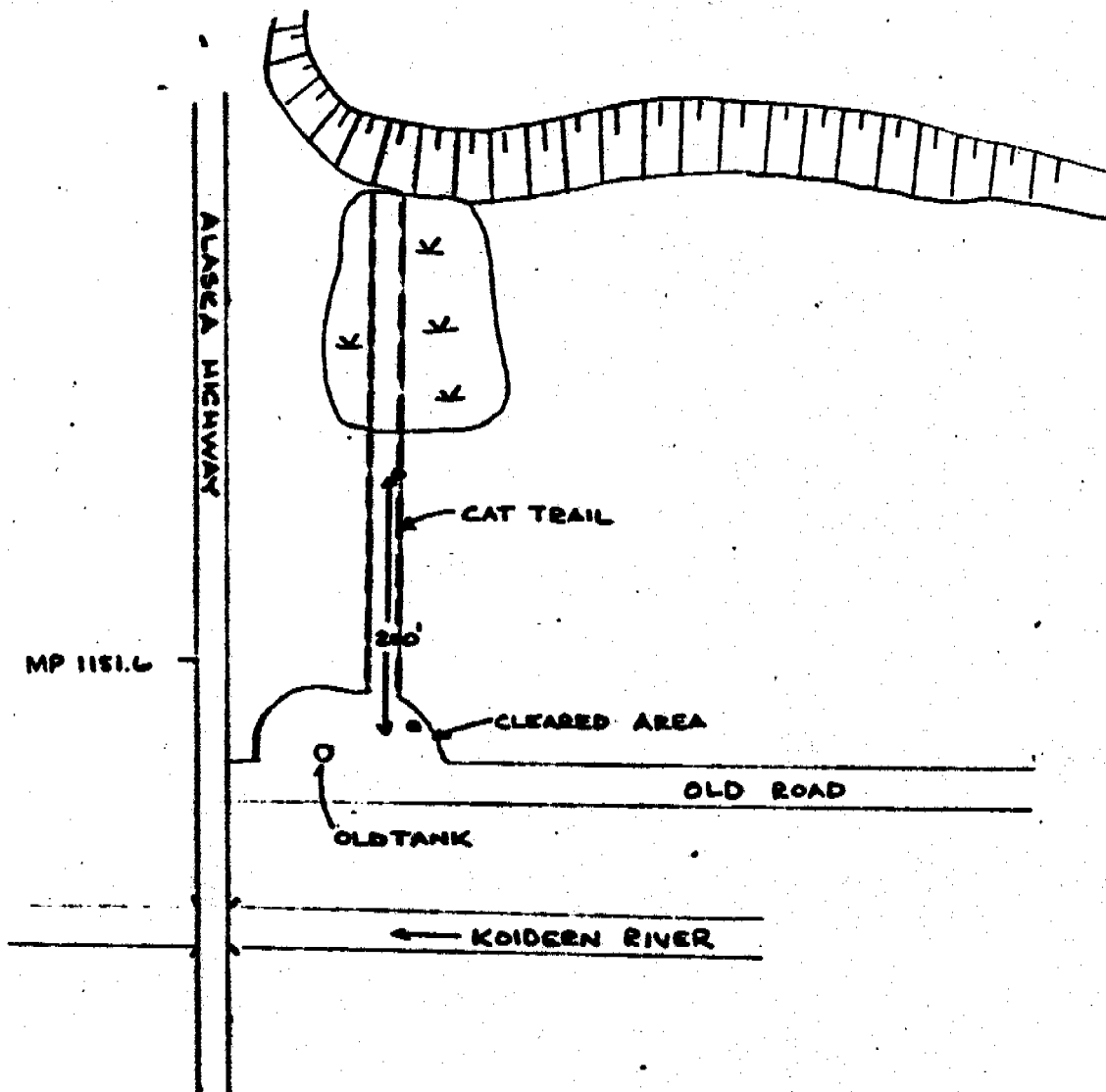
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Gravel	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity:(CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun		100	98	92	80	66	45	26	--	--

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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SITE NO 41
BEAVER CREEK RMA.
TEST AREA
ALASKA HIGHWAY MP 1151.6 R43
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 42

Location:

Highway No: 1

Side R ☒ L ☐

Distance: 0.8 mi

MP 1151.6

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☒Crushed: ☐

Date: May/70

Sites Sampled:

2 Holes

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		100	96	86	74	65	52	37	18.9	2.6

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No:

43

Location:

Highway No: 1

Side R ☒ L ☐

Distance: 1 mi

MP 1151.6

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover: Thick Willow

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☒Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☒Crushed: ☐

Date: July/69

Sites Sampled: 3 pits

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

4'

3'

Material

4'

0'

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost 7-8 feet

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

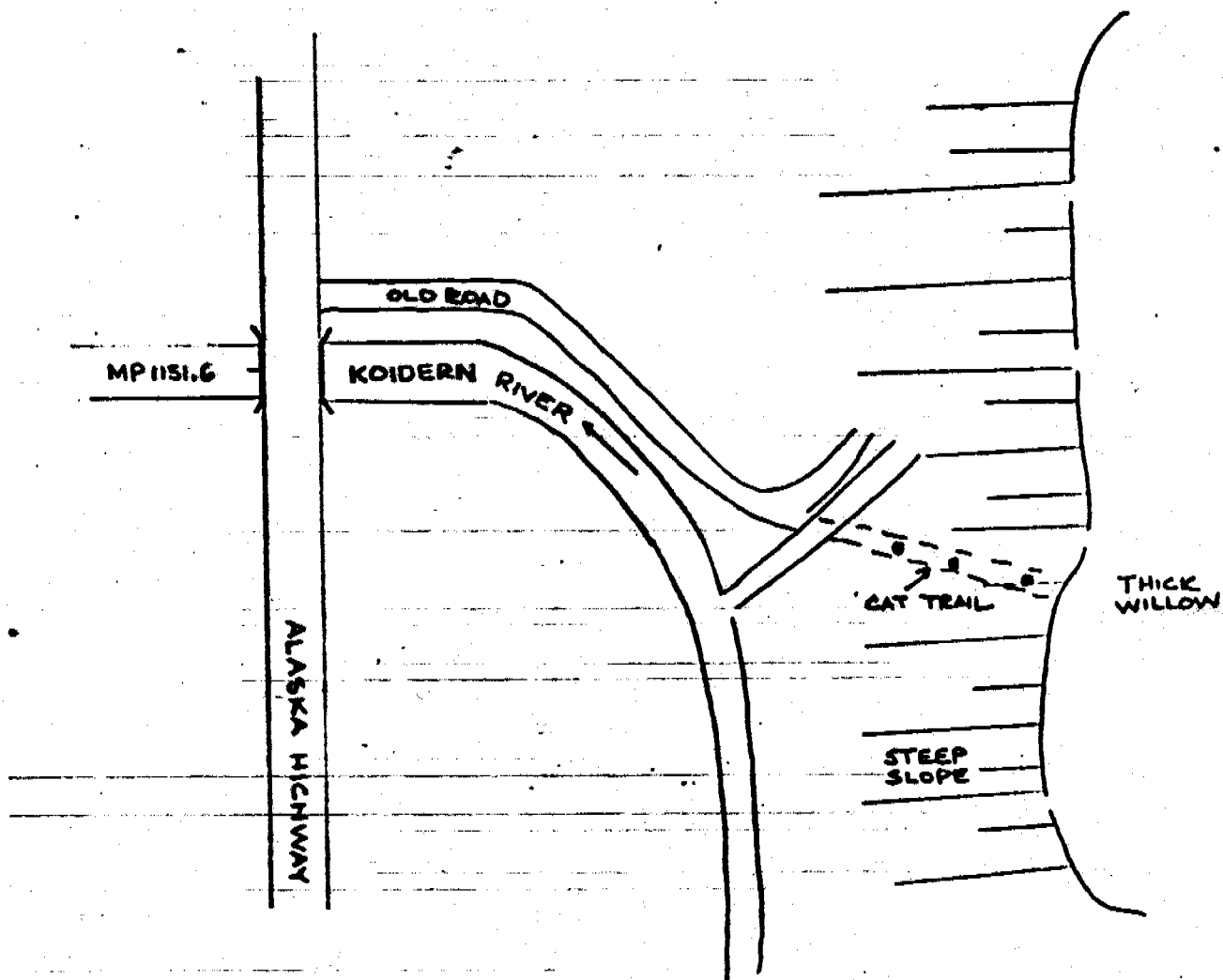
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO 43
BEAVER CREEK RMA
315

TEST AREA
ALASKA HIGHWAY MP 1151.6 RHS
NOSCALE
• TEST PITS

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 44

 Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1151.8 KP Highway Name: Alaska Access

 Tenure: Plan Yes ☐ No ☐ Current Status:

 STOCKPILE
SITE
TYPE
HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material: Peat and Volcanic Ash

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: May/70

Sites Sampled: 2 Holes

 SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

6'

Material

0'

Quantity (CuYds) Estimated

Proven

Remarks:

No samples.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

 Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: <u>Beaver Creek</u>		Borrow or Test Site No: <u>45</u>	
Location: MP <u>1152.3</u>	Highway No: <u>1</u>	Side <u>R</u> ☒ <u>L</u> ☐	Distance: <u>Adjacent</u>
KP <u> </u> Highway Name: <u>Alaska</u>		Access <u> </u>	
Tenure: Plan Yes ☐ No ☐		Current Status: <u> </u>	

STOCKPILE SITE TYPE HISTORY	Date: <u> </u>	Amount: <u> </u> Cu.Yds.
	Description: <u> </u>	Tree Cover: <u> </u>
	Material: <u>Organic Sand</u>	Deposit: <u> </u>
	Past Use: <u> </u>	Date: <u> </u>
	Performance Rating: <u> </u>	Amount Used: <u> </u>
	Remarks: <u> </u>	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: <u>July/69</u>		Sites Sampled: <u>1 Pit</u>	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated <u> </u>		Proven <u> </u>	
	Remarks: <u>Permafrost at 1 1/2', no samples.</u>			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <u> </u>		Crush Count: <u> </u>							
	Other Tests: <u> </u>									
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental: <u> </u>
	Land Use: <u> </u>

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No:

46

Location:

Highway No:

1

Side

R ☒ L ☐

Distance:

Adjacent

MP 1152.5

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover: Thick Moss

Material:

Organic Gravels

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☒Crushed: ☐

Date:

May/70

Sites Sampled:

1 Hole

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost at 1'; no sample.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

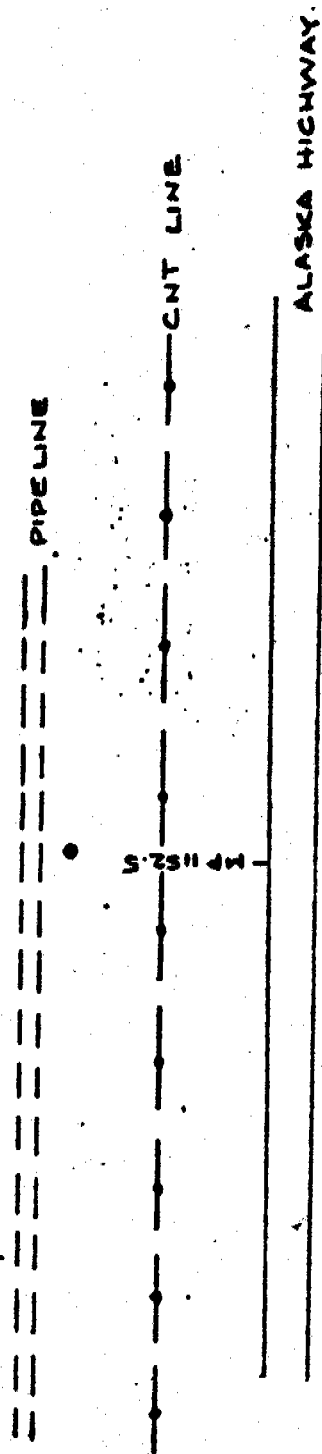
Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

SITE NO 46
BEAVER CREEK RHA
379
TEST AREA
ALASKA HIGHWAY MP 1152.5 RNS
NO SCALE
• TEST HOLE



YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 47	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1152.9	KP	Highway Name: Alaska	Access
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Glacial Till	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
	Date: May/70 Sites Sampled: 2 Holes			
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	6'	5'	
	Material	2 1/2'	1'	
	Quantity: (CuYds) Estimated Proven			
Remarks: No samples				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
	Other Tests:									
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 48	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: 0.1 mi
MP 1154.7	KP	Highway Name: Alaska	Access: Poor
Tenure: Plan		Current Status: Inactive	
Yes ☐ No ☐			

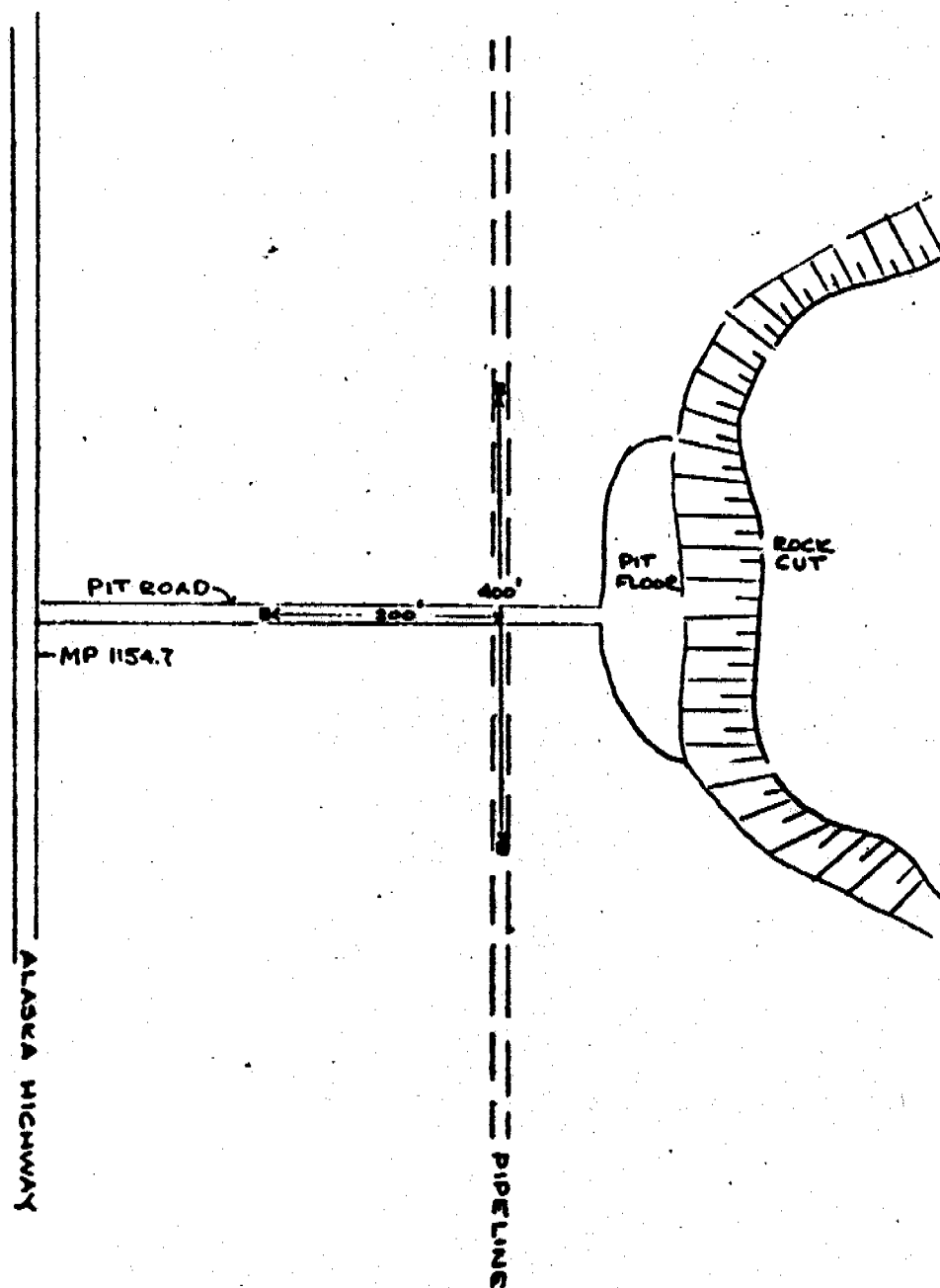
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Cliff	Tree Cover:
	Material: Rock	Deposit:
	Past Use: Borrow - Rock Quarry	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☒	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: July/69		Sites Sampled: 3 Pits	
	Depth	Max.	Min.	Average
	Overburden	2'	1 1/2'	
	Material	1 1/2'	1'	
	Quantity: (CuYds) Estimated Proven			
Remarks: Permafrost at 2 feet in one hole. Water at 1'. Sand not plastic.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																												
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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SITE NO 48
BEAVER CREEK RMA

TEST AREA
ALASKA HIGHWAY MP 1154.7 RHS
NO SCALE
■ TEST PIT

YUKON GRAVEL INVENTORY

R.M. Area: <u>Beaver Creek</u>		Borrow or Test Site No: <u>49</u>	
Location: <u>MP 1155.0</u>	Highway No: <u>1</u>	Side <u>R</u> ☒ <u>L</u> ☐	Distance: <u>Adjacent</u>
Access: <u>Good</u>	Highway Name: <u>Alaska</u>		
Tenure: Gravel Pit Reserve Appl. Plan Yes ☒ No ☐		Current Status: <u>Inactive</u>	

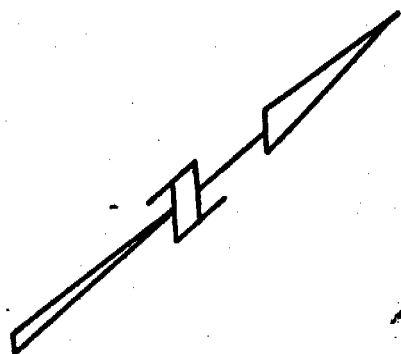
STOCKPILE SITE TYPE HISTORY	Date: <u>May/77</u>	Crush Amount: <u>+ 500</u> Cu.Yds.
	Description: <u>Moderate Slope</u>	Tree Cover: <u></u>
	Material: <u>Gravel - 2 pits</u>	Deposit: <u></u>
	Past Use: <u>Borrow - Surfacing MP 1151-69</u>	Date: <u>1971</u>
	Performance Rating: <u>Fair</u>	Amount Used: <u></u>
Remarks: <u></u>		

TEST SUMMARY	Augered ☒	Pitted ☒	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: <u>May/70</u>		Sites Sampled: <u>34 Sites</u>	
	Depth	Max.	Min.	Average
	Overburden	<u>4'</u>	<u>1'</u>	
	Material	<u>21'</u>		
	Quantity (CuYds) Estimated		Proven	
Remarks: <u></u>				

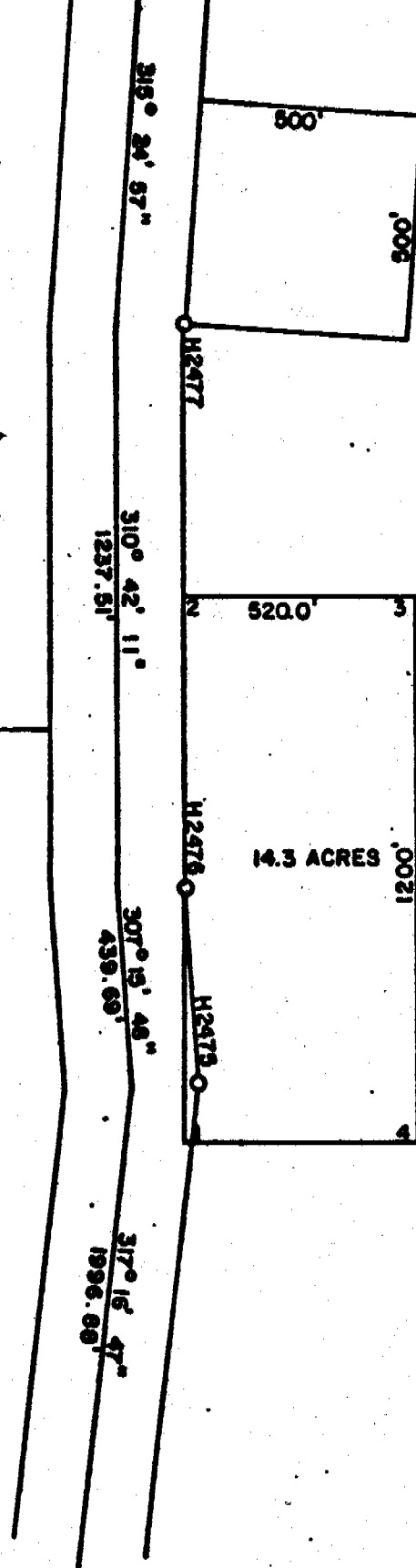
LAB. TEST RESULTS		Los Angeles Abrasion % Loss: <u></u>	Crush Count: <u></u>							
Other Tests: <u></u>	Petrographic Analysis: Quartzite - 60%; Granite - 10%; Schist - 15%; Others - 15%									
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Crush-3/4"	Av. 13 Sites		98	92	75	66	53	38	19.7	3.3
Labcrush-3/4"	Av. 3 sites (non cohesive material)		100	90	74	57	35	20	--	0
Labcrush-3/4"	Av. 6 sites		93	54	36	27	16	9		
Crushing Contract			98	74	59	45	27	15	18	2.5

Potential Conflicts	Environmental: <u></u>
	Land Use: <u></u>

REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data DPW Legal File Federal Lands Office
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M.P. 1155



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE

scale:
échelle: 1" = 400'

ALASKA HIGHWAY
M.P. 1155

designed by
conçu par

date

drawn by
dessiné par

MAY 1972

reviewed by
examiné par

approved by
approuvé par

project no.
no. du projet

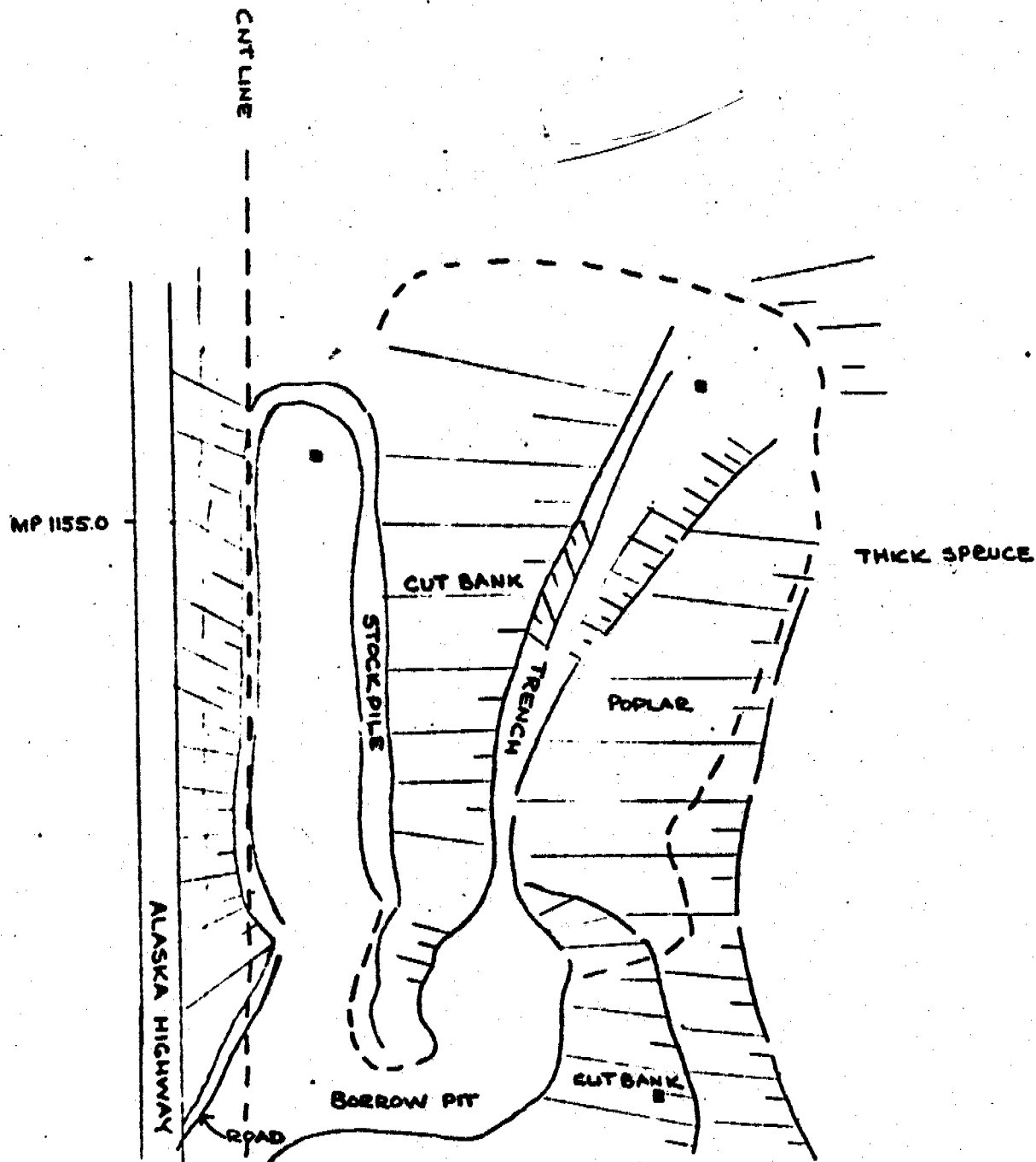
dwg no.
dessin no

LEGAL DESCRIPTION

GRAVEL PIT MILE 1155

Commencing at Legal Survey Monument H-2477 located on the northerly boundary of the Alaska Highway at Mile 1155.2 more or less; thence south easterly along said boundary a distant of six hundred feet (600 ft) to Post No. 2; thence north-easterly at right angles to previously described course a distant of five hundred and twenty feet to Post No. 3; thence south-easterly at right angles to previous described course a distant of twelve hundred feet (1200 ft) to Post No. 4; thence south-westerly at right angles to previous described course a distant of five hundred and twenty feet (520 ft) to Post No. 1; thence north-westerly at right angles to previous described course a distant of twelve hundred feet (a portion of this traversing the northerly boundary of the Alaska Highway), (1200 ft) to Post No. 2; Point of commencement.

The land lying within the previous described boundary, excepting and excluding that portion lying within the Alaska Highway Right-of-way, being 14.3 acres more or less.



SITE NO 49
BEAVER CREEK R.H.A

TEST AREA
ALASKA HIGHWAY MP 1155.0 RHS
NO SCALE
■ TEST PITs

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 50

 Location: Highway No: 1 Side R ☐ L ☒ Distance: Adjacent
 MP 1155.9 KP Highway Name: Alaska Access

 Tenure: Plan Yes ☐ No ☐ Current Status:

 STOCKPILE
SITE
TYPE
HISTORY

 Date: Amount: Cu.Yds.
 Description: Flat, Cleared Tree Cover: Light Poplar
 Material: Sand Deposit:
 Past Use: Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

 Augered ☒ Fitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐

Date: May/70 Sites Sampled: 2 Holes

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden		0'	
Material		15'	

Quantity: (CuYds) Estimated Proven

Remarks: Water at 2 feet.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
					100	100	59	4	--	N.P.

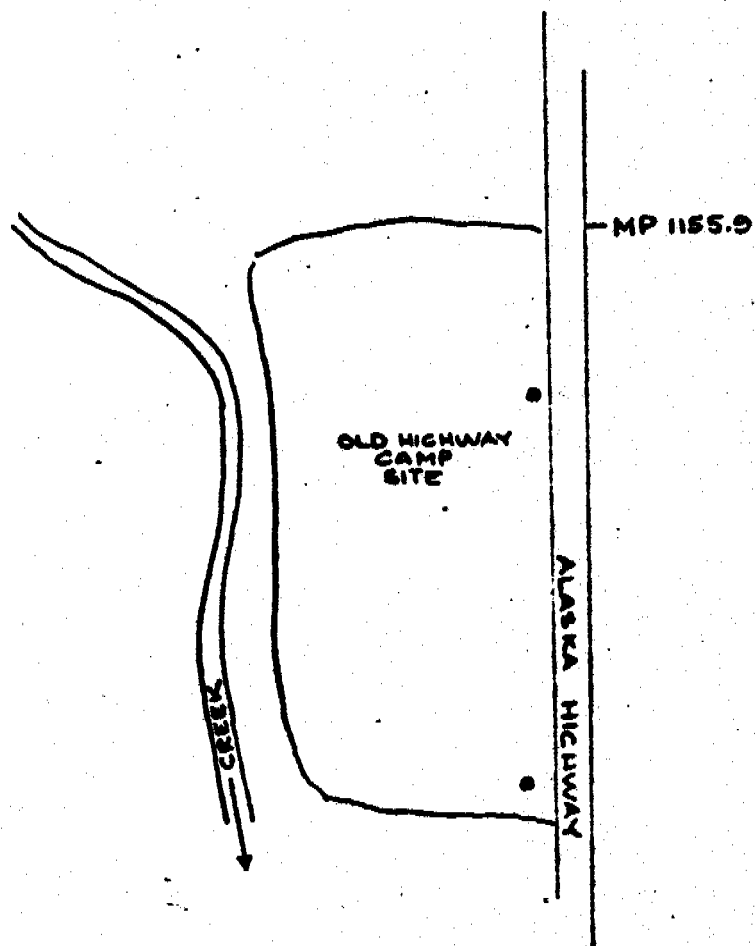
 Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO 50
BEAVER CREEK RMA

TEST AREA
ALASKA HIGHWAY MP 1155.9 LHS
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 51

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1156.5 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount: Cu.Yds.

Description:

Tree Cover:

Material: Silty Sand Till

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐

Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐

Date: May/70

Sites Sampled: 4 Holes

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	4'	2'	
Material	11'	2'	

Quantity: (CuYds) Estimated Proven

Remarks:

Permafrost and water on surface. No samples.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

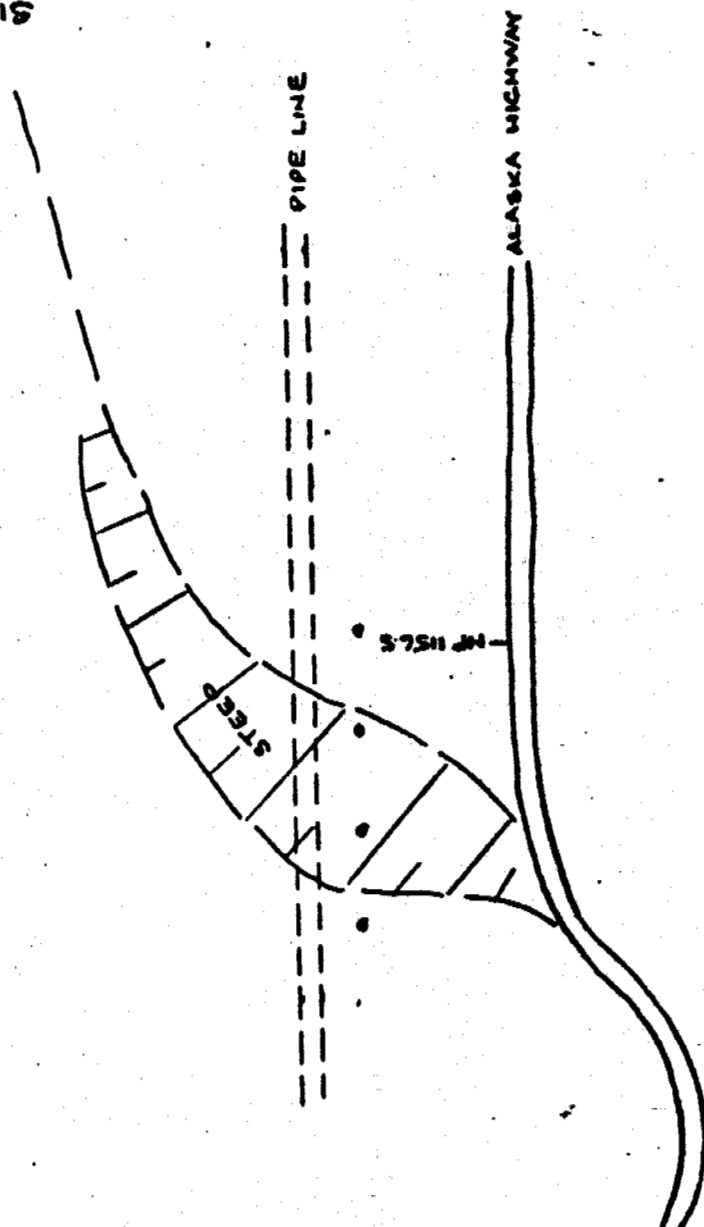
Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

TEST AREA
ALASKA HIGHWAY MP 157.5
NO SCALE
o TEST HOLES

SITE NO 51
BEAVER CREEK RMA



YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 52

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1157.2

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status: Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Steep Slope

Tree Cover: Heavy Spruce

Material: Rock

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

Z- Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 53	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1157.3	KP	Highway Name: Alaska	Access
Tenure: Plan		Current Status: Inactive	
Yes ☐ No ☐			

STOCKPILE SITE TYPE	Date:	Amount:	Cu.Yds.
	Description: Steep Sidehill	Tree Cover:	Thick Spruce
	Material: Rock	Deposit:	
HISTORY	Past Use: Borrow	Date:	
	Performance Rating:	Amount Used:	
	Remarks:		

TEST SUMMARY	Augered	☐	Pitted	☐	Trenched	☐	Not Indicated	☐
	Lab. Test	☐	Sketch (Plan)	☐	Crushed:	☐		
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:					
	Depth	Max.	Min.	Average				
	Overburden							
	Material							
	Quantity (CuYds) Estimated		Proven					
Remarks:								

[illegible]

Potential Conflicts	Environmental:
	Land Use:

REFERENCE :

YUKON GRAVEL INVENTORY

R.H. Area Beaver Creek		Borrow or Test Site No: 54	
Location: MP 1159.0	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Gravel	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY SUBSURFACE TEST RESULTS	Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☒			
	Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐			
	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity (CuYds) Estimated Proven				
Remarks:				

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		82	67	49	37	26	12	7	--	00

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 55	
Location: MP 1159.2	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP 1159.2	Highway Name: Alaska	Access 	
Tenure: Plan		Current Status: Inactive	
Yes ☐ No ☐			

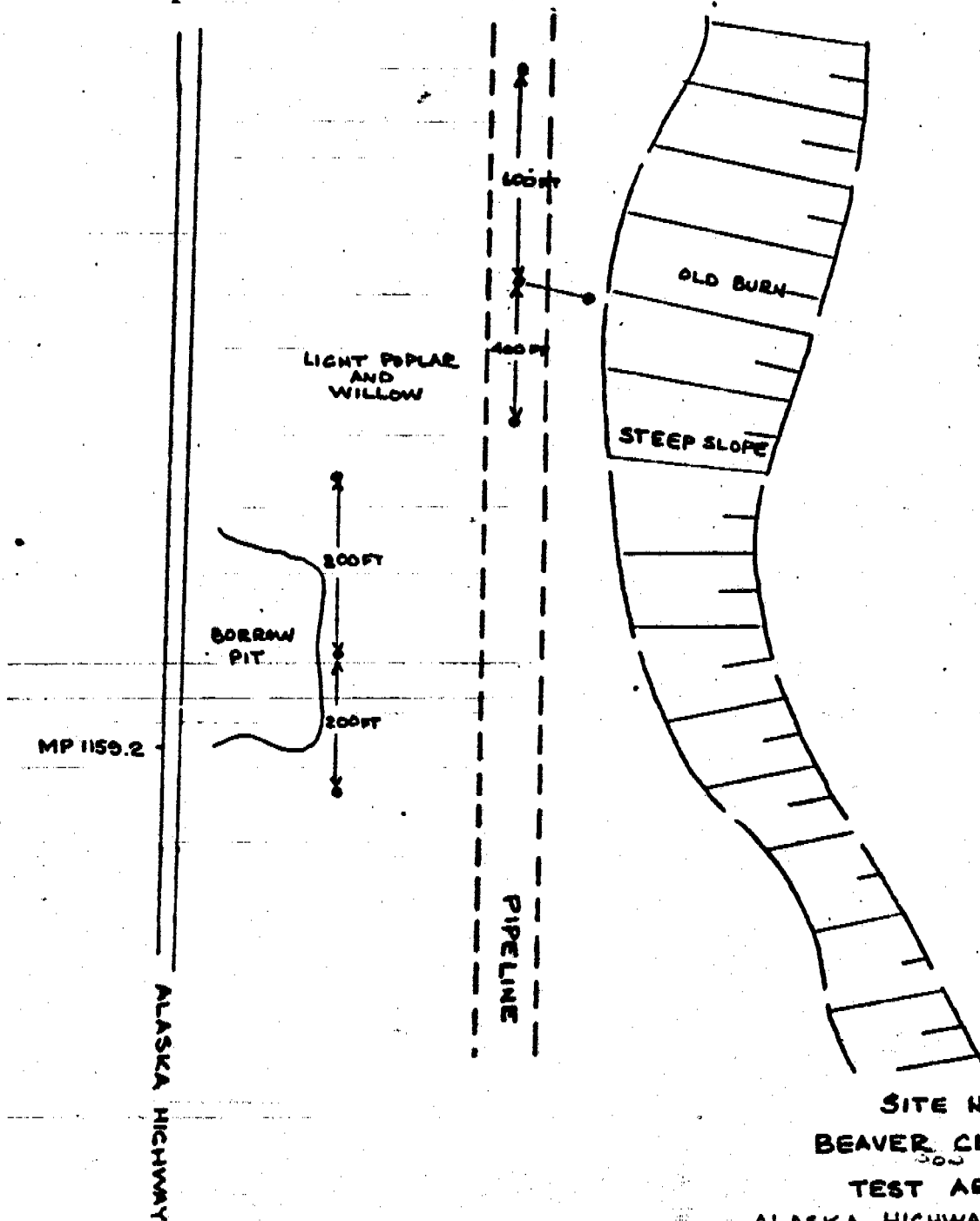
STOCKPILE SITE TYPE HISTORY	Date: 	Amount: Cu.Yds.
	Description: Moderate Slope	Tree Cover: Light Poplar
	Material: Silty Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating: 	Amount Used:
	Remarks: 	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
	Date: May/70		Sites Sampled: 7 Holes	
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	4'	0	
	Material	8'	2'	
Quantity (CuYds) Estimated Proven 				
Remarks: No samples. Permafrost Below Surface in Two Holes.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: 	Crush Count: 																																																																	
Other Tests: 																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																												
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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SITE NO 55
 BEAVER CREEK RHA.
 TEST AREA
 ALASKA HIGHWAY MP 1159.2 RHS
 NO SCALE
 O TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 56

Location:

Highway No: 1

Side R ☒ L ☐

Distance: 0.1 mi

MP 1159.9

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material: Silty Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☒Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

Z Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 30

No. 200

LL

PI

541

89

72

60

51

39

29

13

NP

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 57

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1159.9

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Moderate Slope

Tree Cover: Mod. Poplar

Material: Gravel

Deposit:

Past Use:

Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

Z Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 58

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1160.0 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status: Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Moderate Slope Tree Cover: Mod. Poplar
 Material: Bouldery Gravel Deposit:
 Past Use: Borrow Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

SUBSURFACE
TEST RESULTS

Date: Sites Sampled:
 Depth Max. Min. Average
 Overburden
 Material
 Quantity (CuYds) Estimated Proven
 Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

E.M. Area: Beaver Creek		Borrow or Test Site No: 59	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
HP 1160.2	KP	Highway Name: Alaska	Access
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Clayey Sandy Silt	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: 1970		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
				100	99	84	71	54	22.7	5.4

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 60

 Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1160.3 KP Highway Name: Alaska Access

 Tenure: Plan Yes ☐ No ☐ Current Status: Active

 STOCKPILE
SITE
TYPE
HISTORY

 Date: Amount: Cu.Yds
 Description: Cliff Face Tree Cover:
 Material: Rock Deposit:
 Past Use: Borrow Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

 Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

Date: Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 61	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1161.0	KP	Highway Name: Alaska	Access
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Gravel	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☒	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
	Date: 1969	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
SUBSURFACE TEST RESULTS	Material			
	Quantity: (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:
	Other Tests:	
Grain Size Analysis		% Passing Sieve Size
Hole No.	Depth	1-1/2" 3/4" 3/8" No. 4 No. 10 No. 40 No. 200 LL PI
383		73 45 33 27 21 6 3 -- NP

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
------------	--

YUKON GRAVEL INVENTORY

K.M. Area: Beaver Creek

Borrow or Test Site No: 62

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1161.8

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Active

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds

Description: Mod. Sidehill

Tree Cover: Mod. Poplar, Spruce

Material: Sand, Sandy Gravel

Deposit:

Past Use: Borrow - Small Pit

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☒Crushed: ☐

Date:

May/70

Sites Sampled:

1 Hole

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

0

Material

15'

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

1

0-15'

99

97

96

93

84

45

--

NP

Potential
Conflicts

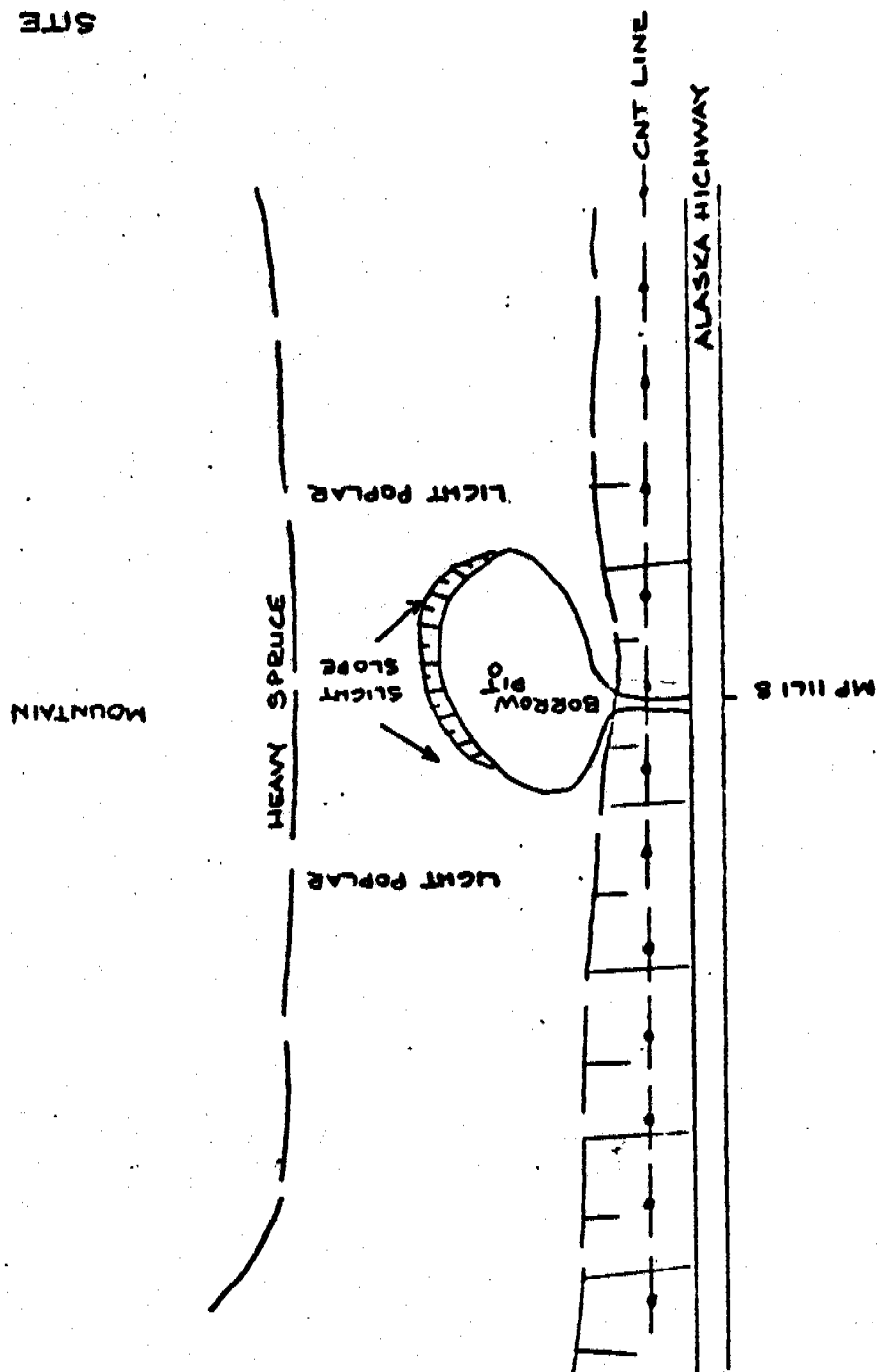
Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

SITE NO 62
 BEAVER CREEK RMA
 TEST AREA
 ALASKA HIGHWAY MP 114.8 R.H.S.
 NO SCALE
 O TEST HOLE



YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 63

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1161.9

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Sandy, Gravel, Sand

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☒Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity:(CuYds)Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No.40	No.200	LL	PI
540		100	97	94	88	74	49	7	--	NP
539		78	65	53	46	34	25	8	--	NP

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 64

Location:

Highway No: 1

Side

R ☐ L ☐

Distance:

MP 1163.0

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover: Mod. Spruce, Popla

Material:

Silty Sandy Till

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☒Crushed: ☐

Date:

May/70

Sites Sampled:

4 Holes

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

4'

2'

Material

6'

0'

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

4

2'-8'

100

94

80

68

57

39

21

0.0

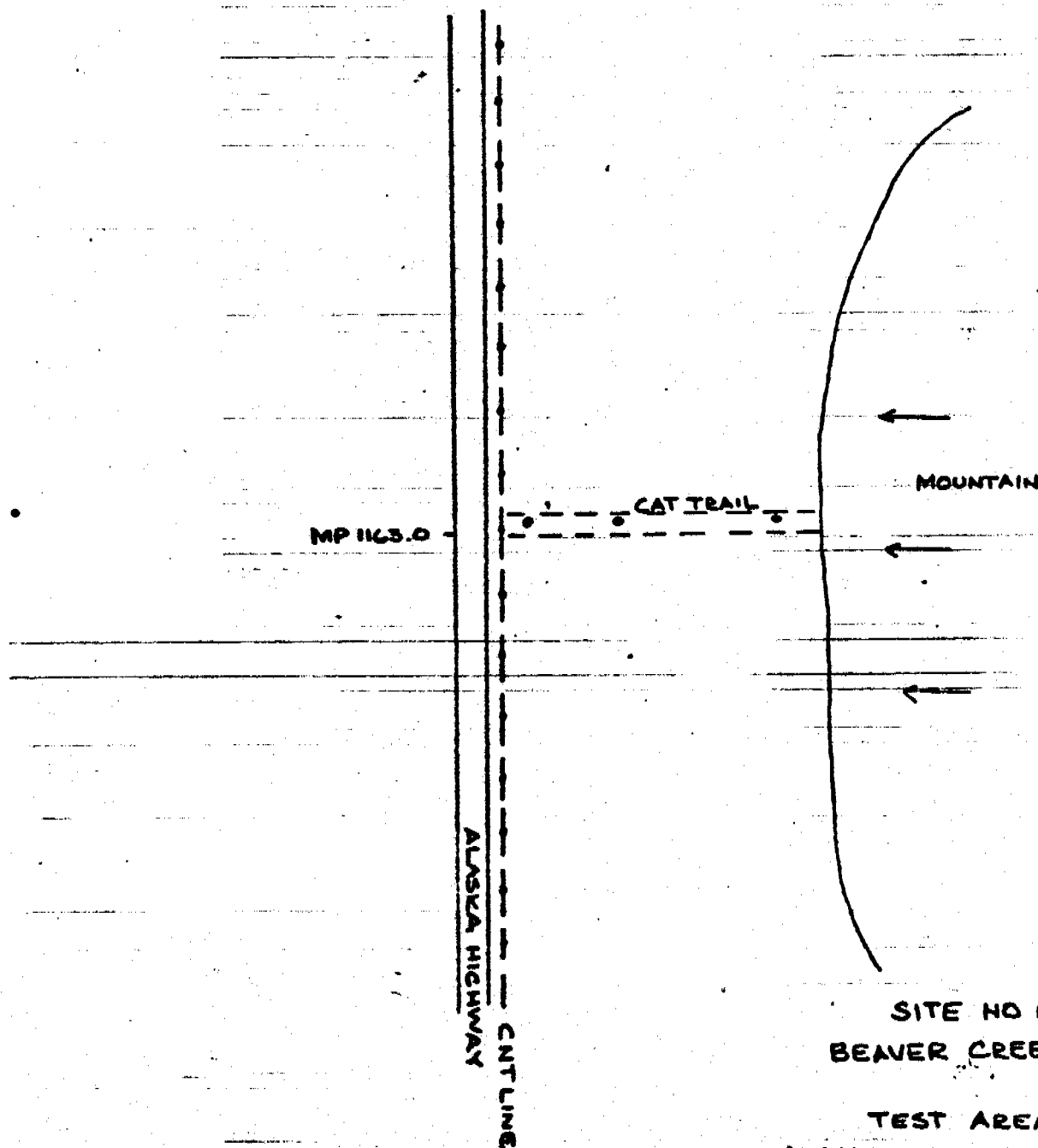
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO 64
BEAVER CREEK RMA

TEST AREA
ALASKA HIGHWAY MP 1163.0 RM
NO SCALE
● TEST HOLES

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 65

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1164.7

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat Area

Tree Cover: Light Spruce, Popl

Material: Clay

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☒Crushed: ☐

Date: May/70

Sites Sampled: 4 Holes

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

4'

1'

Material

14'

6'

Quantity: (CuYds) Estimated

Proven

Remarks:

Permafrost Below Surface

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

> 75

29

12

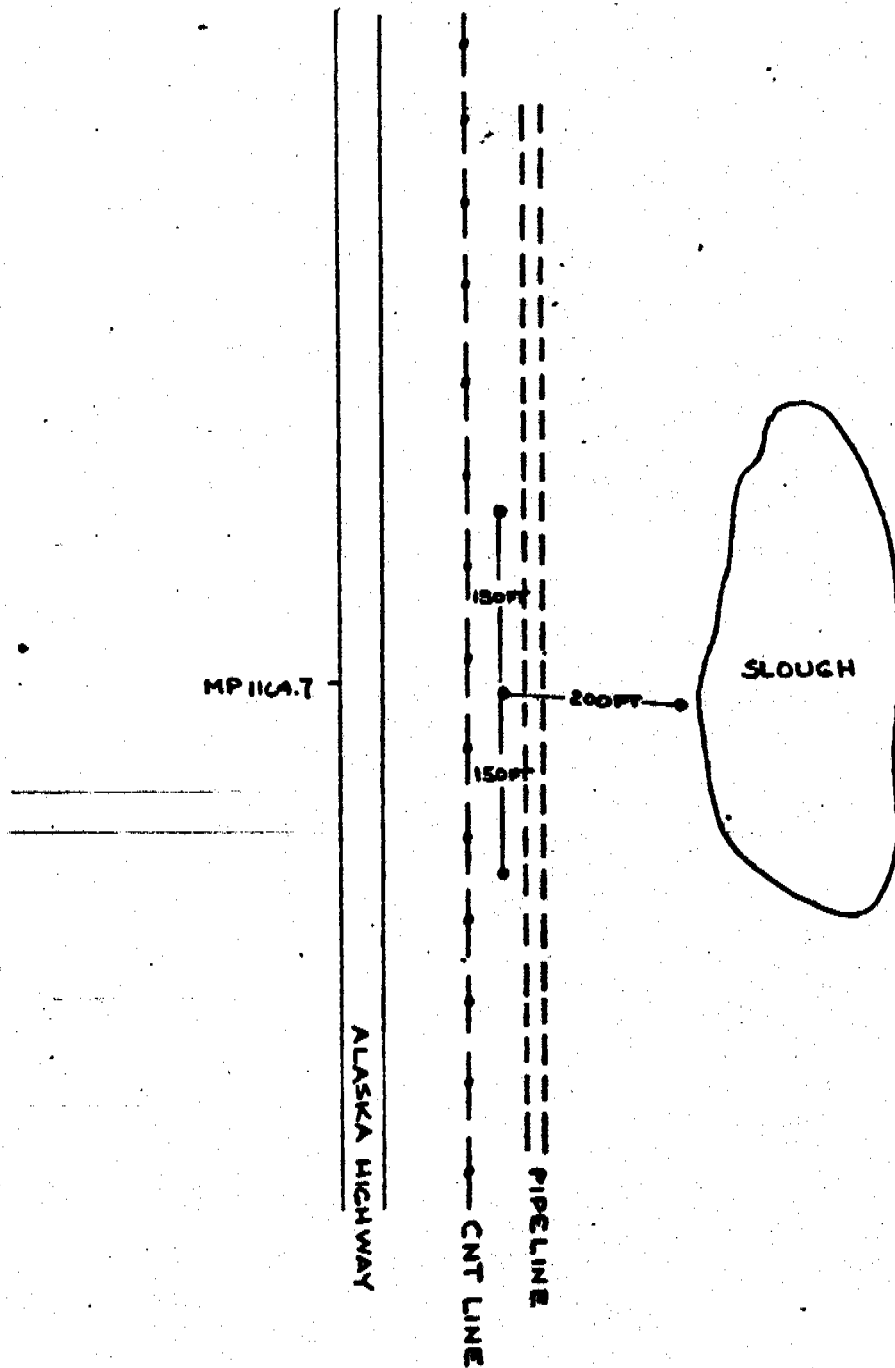
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO 65
BEAVER CREEK RMA
TEST AREA
ALASKA HIGHWAY MP 1164.7 RHS
NO SCALE
O TEST HOLES

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 66

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1165.1 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount: Cu.Yds.

Description:

Tree Cover:

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐

Date: May/70

Sites Sampled: 1 Hole

SUBSURFACE
TEST RESULTS

Depth Max. Min. Average

Overburden 1

Material 13

Quantity (CuYds) Estimated Proven

Remarks:

Ice Lenses 12'-14'

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 67

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1165.2

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover Light Spruce, Poplar

Material: Silt

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☒Crushed: ☐

Date: May/70

Sites Sampled: 1 Hole

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

1

Material

13

Quantity (CuYds) Estimated

Proven

Remarks:

Ice Lenses 12-14 feet

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

>75

40.7

14.4

Potential
Conflicts

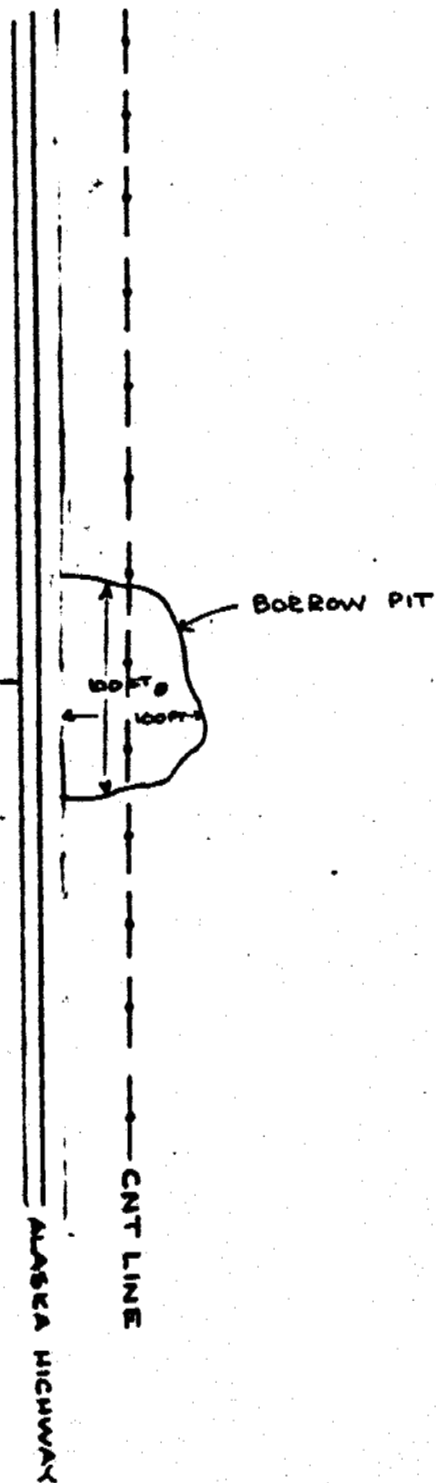
Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

MP 1165.2



SITE NO 67
BEAVER CREEK RMA

TEST AREA
ALASKA HIGHWAY MP 1165.2 RHS
NO SCALE
O TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 68

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1166.2

KP

Highway Name: Alaska

Access

Tenure: Gravel Pit Reserve
Plan Yes ☒ No ☐

Current Status: Active

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount: Cu.Yds.

Description: Flat

Tree Cover: Thick spruce, popl

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: May/70

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun Av.		86	56	30	20	15	9	2	--	0

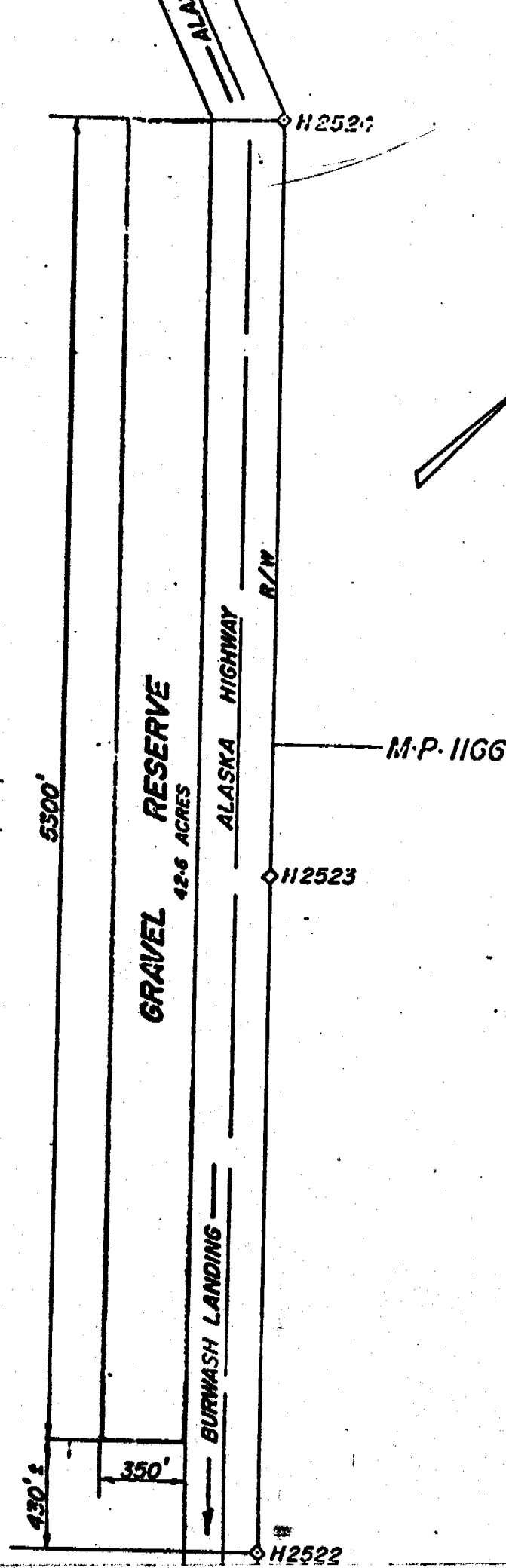
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory
Alaska Highway Technical Data
DPW Legal File
Federal Lands Office



DRAWING TITLE		DESIGN BY	DATE
GRAVEL RESERVE		12	
SCALE 1" = 500'		REVISED	
DATE MAY 1953		APPROVED	
DEPARTMENT PUBLICATIONS		PUBLISHED NO.	SHEET NO.
M.P. 1166			

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 69	
Location: MP 1167.1	Highway No: 1	Side R ☒ L ☐	Distance: 0.3 mi
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Gravel	Deposit:
	Past Use: 1 1/2" Concrete Aggregate	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY SUBSURFACE TEST RESULTS	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
	Date: July/70		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks: Aggregate used for construction of Koidern No. 2 Bridge.			

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		96	80	51	19	--	--	2	--	--

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
-------------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 70	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
MP 1167.5	KP	Highway Name: Alaska	Access
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Thick spruce
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis		Z Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 71	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
MP 1167.7	KP ☐	Highway Name: Alaska	Access ☐
Tenure: Plan		Yes ☐ No ☐	Current Status: ☐

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Sandy gravel	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
67		75	68	55	44	34	24	14	33.4	1.2

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 72

Location:

Highway No: 1

Side R ☐ L ☒

Distance: 0.2 mi

MP 1168.0

KP

Highway Name: Alaska

Access Good

Tenure: Gravel Pit Reserve Plan
Plan Yes ☒ No ☐

Current Status: Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Heavy Spruce

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☒Lab. Test ☒Sketch (Plan) ☒Crushed: ☐

Date:

Sites Sampled: 3 Sites

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity:(CuYds)Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Av. 5 samples

94

72

51

39

28

16

3

--

NP

Potential
Conflicts

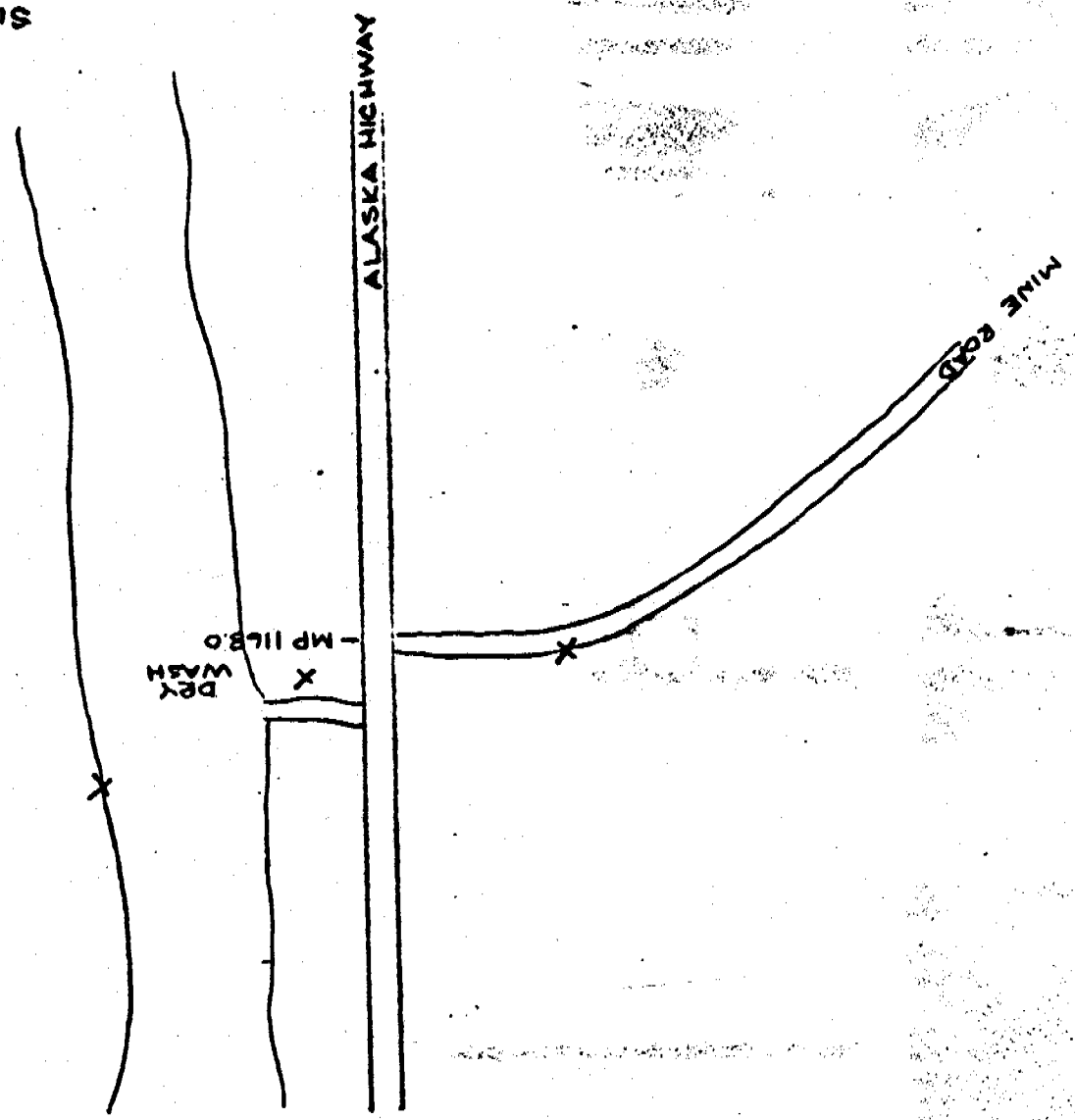
Environmental:

Land Use:

REFERENCE:

DPW Material Inventory
Alaska Highway Technical Data
DPW Legal File

SITE NO 72
BEAVER CREEK RMA
TEST AREA
ALASKA HIGHWAY MPM11B.0L1
NO SCALE
X SAMPLE SITE



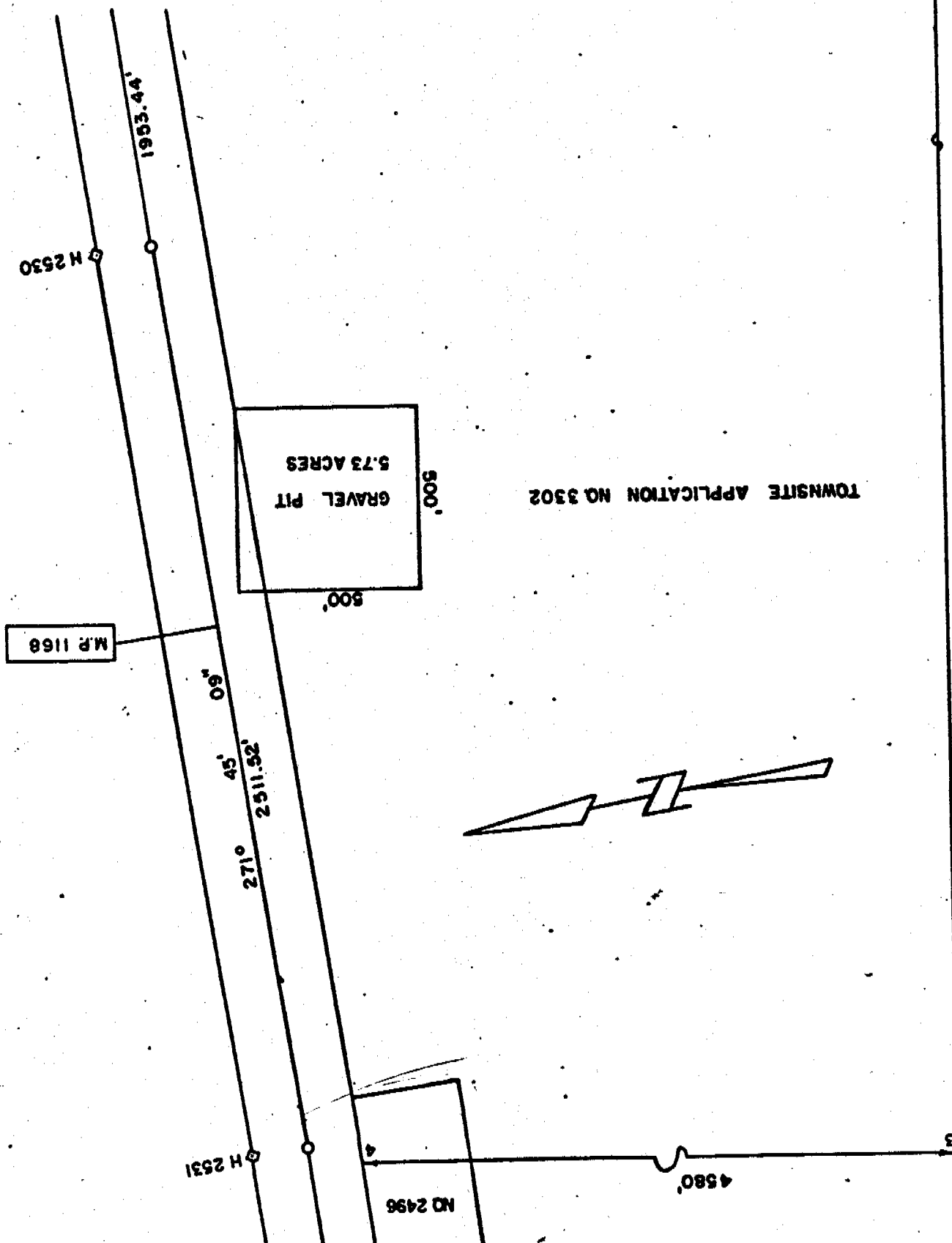


DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

GRAVEL PIT RESERVE
scale 1" = 400'
M.P. 1168
ALASKA HIGHWAY

designed by	conçu par
drawn by	dessiné par
reviewed by	examiné par
approved by	approuvé par
project no	no du projet
dwg no	dessin no

MAY 1972



YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 73	
Location: MP 1169.5	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP ☐ Highway Name: Alaska		Access ☐	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Silty Gravel	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY SUBSURFACE TEST RESULTS	Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐			
	Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐			
	Date: May/70		Sites Sampled: 7 Holes	
	Depth	Max.	Min.	Average
	Overburden	0	0	
	Material	13'	7'	
Quantity (Cu.Yds) Estimated				
Proven				
Remarks:				

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
62		92	86	71	56	47	35	22	33.1	1.4
						No. 20				
56		100	91	74	58	37	31	18	33.4	1.2

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data
-------------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 74

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1169.4

KP

Highway Name: Alaska

Access: None

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Mod. Slope

Tree Cover: Heavy spruce

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐☐Pitted ☐☐Trenched ☐☐Not Indicated ☐Lab. Test ☐☐Sketch (Plan) ☐☐Crushed: ☐☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 75	
Location: MP 1170.0	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP Alaska		Access 	
Tenure: Plan		Current Status: 	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date: 	Amount: Cu.Yds.
	Description: 	Tree Cover:
	Material: 	Deposit:
	Past Use: 	Date:
	Performance Rating: 	Amount Used:
	Remarks: 	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: Jan/61		Sites Sampled: 	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated		Proven	
	Remarks: 			

LAB. TEST RESULTS		Los Angeles Abrasion % Loss: 		Crush Count: 						
Other Tests: 										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		100	93	66	44	29	14	4	--	--

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 76

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1170.2

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material: Gravel

Deposit:

Past Use:

Borrow ?

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☒Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: June/60

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		79	61	42	32	27	17	12	--	--

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No:

77

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1170.5

KP

Highway Name: Alaska

Access

Tenure: Gravel Pit Reserve
Plan Yes ☒ No ☐

Current Status: Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date:

Amount:

Cu.Yds.

Description: Moderate Slope

Tree Cover: Thick spruce

Material: Gravel

Deposit:

Past Use: Borrow - Crusher Site

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☒Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: June/63

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

100

67

47

39

12

4

--

NP

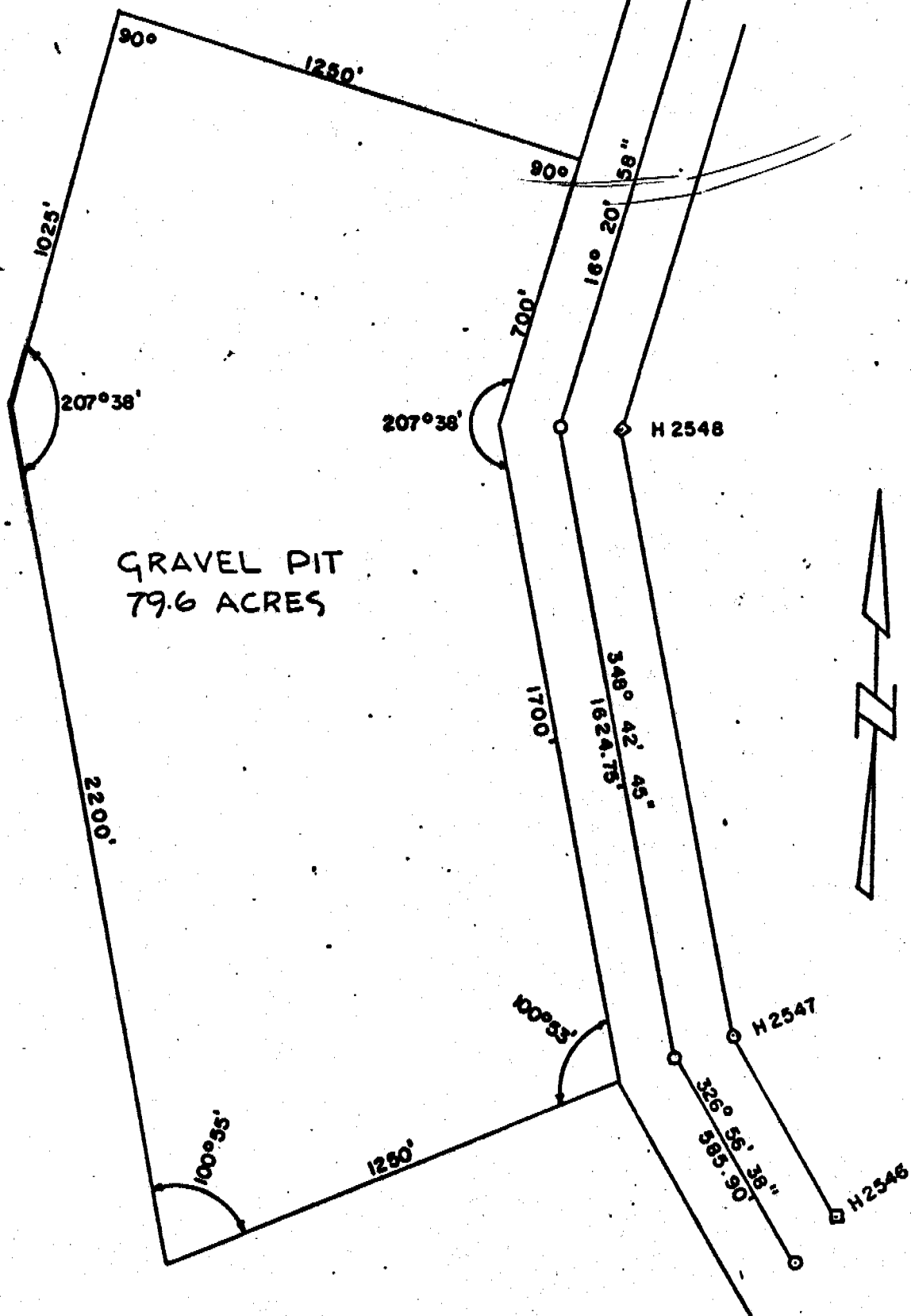
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory
 Alaska Highway Technical Data
 DPW Legal File
 Federal Lands Office



 DEPARTMENT OF PUBLIC WORKS CONSTRUCTION & ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT	Drawing title Titre du dessin: GRAVEL PIT RESERVE		designed by conçu par _____		date MAY 1972
	scale échelle: 1" = 400'		drawn by dessiné par _____		
			reviewed by examiné par _____		
			approved by approuvé par _____		
	ALASKA HIGHWAY M.P. 1170.4		project no. no. du projet. _____	dwg no. dessin no. _____	

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 78

Location:

Highway No: 1

Side

R ☒ L ☐

Distance:

0.1 mi

MP 1170.7

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☒Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: May/66

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
26		95	79	55	31	18	10	8	26.0	0.2
61		92	76	46	24	14	7	6	27.0	0.7

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 79

Location:

Highway No: 1

Side R ☒ L ☐

Distance: 0.4 mi

MP 1171.0

KP

Highway Name:

Alaska

Access

Good

(upper pit)

Tenure: Gravel Pit Reserve

Current Status: Inactive

Plan

Yes

☒

No

☐

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu. Yds.

Description: Flat

Tree Cover: Heavy spruce

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: May/70

Sites Sampled: 19 holes

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost in some holes

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Pitrun - Av. 6 holes

93

82

70

65

53

45

31.4

11.2

Pitrun - Av. 2 holes

96

77

47

27

18

9

5

20.8

3.7

Pitrun - Av. 6 holes

98

94

80

65

56

43

31

16.4

6.0

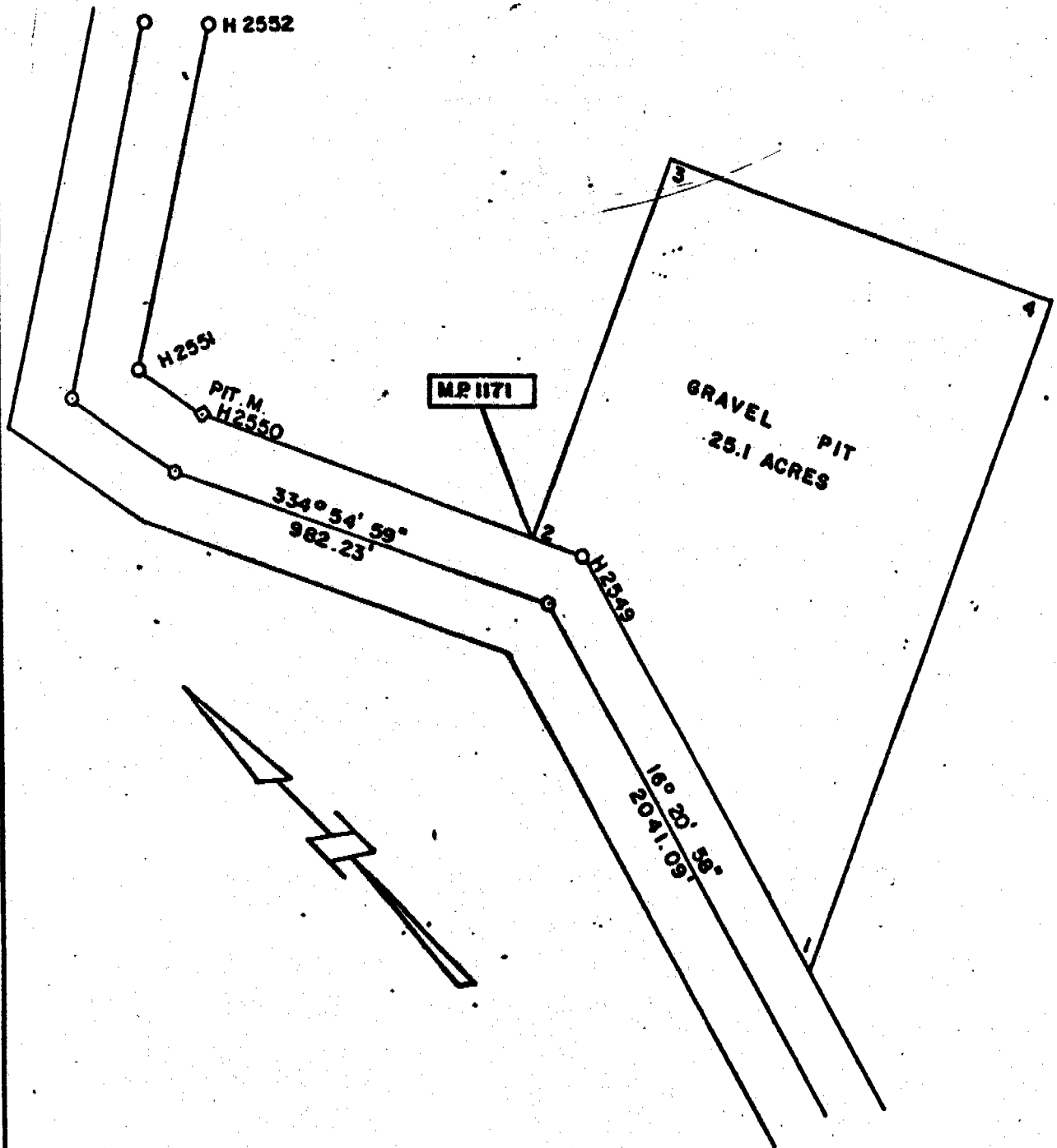
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory
 Alaska Highway Technical Data
 DPW Legal File
 Federal Lands Office



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE

scale:
échelle 1" = 400'

ALASKA HIGHWAY
M. P. 1171

designed by
conçu par

date

drawn by
dessiné par

MAY 1972

reviewed by
examiné par

approved by
approuvé par

project no.
no. du projet

dwg. no.
dessin no.

LEGAL DESCRIPTION

Temporary Application for Gravel Pit

Mile 1170.8

Pending Survey by Roads Dept. 1955

Post No. 1 is on the easterly boundary of R.O.W. 1150' southerly from LSM H2549 on said boundary; thence following said boundary for 1275' $\pm$ in a northerly direction to Post No. 3, which is on said easterly boundary 125' $\pm$ North of L.S.M. H2549; thence 1000' $\pm$ on a true bearing of 64' 55' $\pm$ to Post No. 3; thence 1000' $\pm$ on a true bearing of 154' 55' $\pm$ to Post No. 4; thence 1740' $\pm$ on a true bearing of 244' 55' $\pm$ to Post No. 1 Point of Commencement. 25.1 acres more or less.

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 80	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: 0.6 mi
MP 1171.0	KP ☐ Highway Name: Alaska	Access: Excellent	
(Lower pit)			
Tenure: Gravel Pit Reserve Appl. Plan		Current Status: Active	
Yes ☒ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Steep sidehill	Tree Cover: Light Spruce
	Material: Stony glacial till	Deposit:
	Past Use: Borrow - Surfacing MP 1163-79	Date: 1971
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
Remarks: Permafrost in till, thick peat on top of bank.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	Z Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun-Av.	16 holes	98	94	80	65	56	43	31	16	6
Crush-3/4"	16 holes		96	67	54	46	32	20	20	6

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data DPW Legal File Federal Lands Office
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GRAVEL PIT EXTENSION
52.8 ACRES ±

1291
MAY 1968

2200' N 040° 49' 30"

N 25° 05' W
1000'

1000' 00.01

N·W·H·S·

H2551

H2550

500'

Q. H 2542

3250'

N 25° 05' W
987.23'

1171

S 160 21' W
2041.09'

WHITEHORSE

Drawing title:

GRAVEL PIT

10-11-80

ALASKA HIGHWAY
M.P. 1171 (R.H.S.)

designed by: V.S.

drawn by: N L.

received by:

1944

0-17-00000

செய்து. இது :

78.71-2

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 81

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1171.6

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu, Yds

Description:

Tree Cover:

Material: Sandy gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☒Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

1/2'

Material

5 1/2'

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

71

94

79

55

39

30

25

22

42.1

1.7

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 82

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1171.7

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Gently Rolling

Tree Cover: Heavy Spruce

Material: Sandy Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No:

83

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1172.9

KP

Highway Name: Alaska

Access Good

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat - Gently Rolling

Tree Cover:

Material: Silt, Clay

Deposit:

Past Use:

Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Angered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 84

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1173.2

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☒Crushed: ☐

Date: May/70

Sites Sampled: 1 Pit

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

No sample, permafrost below surface.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

TEST PIT

NO SCALE

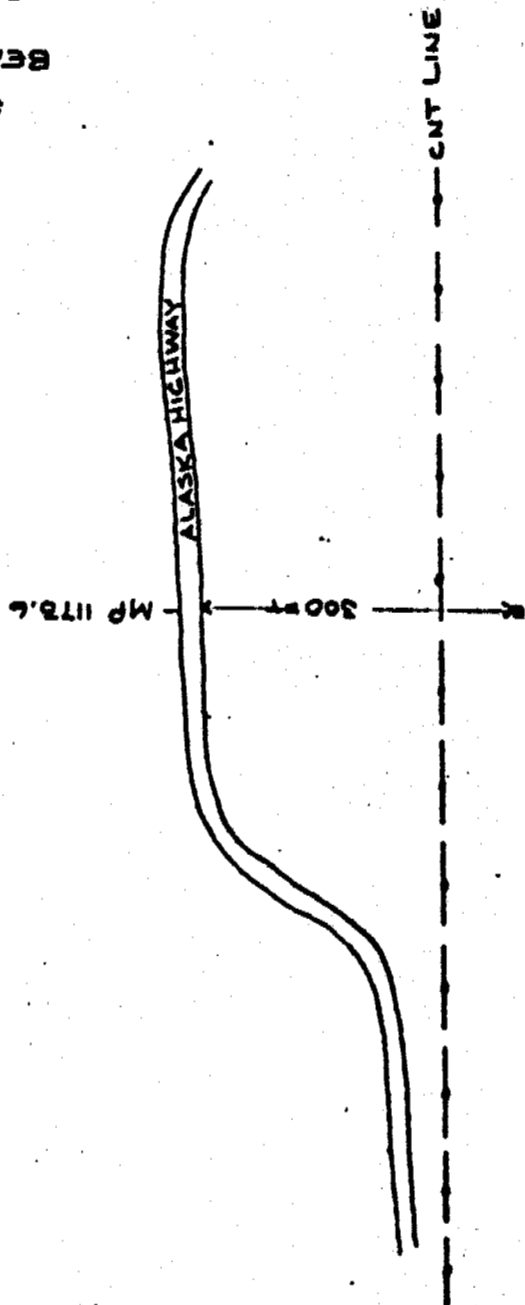
ALASKA HIGHWAY MP 1173.21

TEST AREA

41.5

BEAVER CREEK R.H.A.

SITE NO 84



YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 85

Location:

Highway No: 1

Side

R ☒ L ☐

Distance:

Adjacent

MP 1174.0

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material: Gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: May/70

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

11

93

74

47

30

21

16

13

32.0

1.0

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 86

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1174.1

KP Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Heavy Spruce, Poplar

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 87

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1174.2 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Tree Cover:
 Material: Sandy Gravel Deposit:
 Past Use: Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☒
 Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐

Date: Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity: (CuYds) Estimated Proven

Remarks: High amount of organic material.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		81	72	50	38	31	27	25	--	0.0

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 88	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: 0.1 mi
MP 1174.5	KP ☐	Highway Name: Alaska	Access: Good
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Gently Rolling	Tree Cover: Mod. Poplar, Spruce
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: May/70		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
Remarks: Permafrost.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		100	74	34	24	17	7	3		
		93	84	61	40	21	7	4	--	NP

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 89

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1174.7

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: May/70

Sites Sampled: 4 Hole

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

2'

Material

4'

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost below surface. No samples.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska, Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 90

Location:

Highway No: 1

Side

R ☒ L ☐

Distance:

Adjacent

MP 1174.9

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Mod. Spruce, Poplar

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐☐Pitted ☐☐Trenched ☐☐Not Indicated ☐Lab. Test ☐☐Sketch (Plan) ☐☐Crushed: ☐☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 91

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1175.0

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu. Yds.

Description:

Tree Cover:

Material: Sandy Gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☒Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
508		94	67	47	34	23	10	4		
509		100	76	48	27	12	5	2		

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 92	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
MP 1175.0	KP	Highway Name: Alaska	Access
Tenure: Plan		Current Status: Inactive	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat - Gently Rolling	Tree Cover: Mod. Spruce, Poplar
	Material: Gravel	Deposit:
	Past Use: Barrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	Z Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
------------	--

R.M. Area: Beaver Creek

Borrow or Test Site No: 93

Location: Highway No: 1 Side R ☐ L ☐ Distance: Adjacent
MP 1175.3 KP Highway Name: Alaska AccessTenure: Plan Yes ☐ No ☐ Current Status:STOCKPILE
SITE
TYPE
HISTORYDate: Amount: Cu.Yds.
Description: Tree Cover:
Material: Gravel Deposit:
Past Use: Date:
Performance Rating: Amount Used:
Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐
Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐

Date: May/70 Sites Sampled: 2 Holes

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden			
Material			

Quantity:(CuYds) Estimated Proven

Remarks: Permafrost to 7 feet.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
507		100	99	75	19	11	8	6	--	--
506		100	90	64	23	15	5	2	--	--

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 94	
Location: MP 1175.4	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

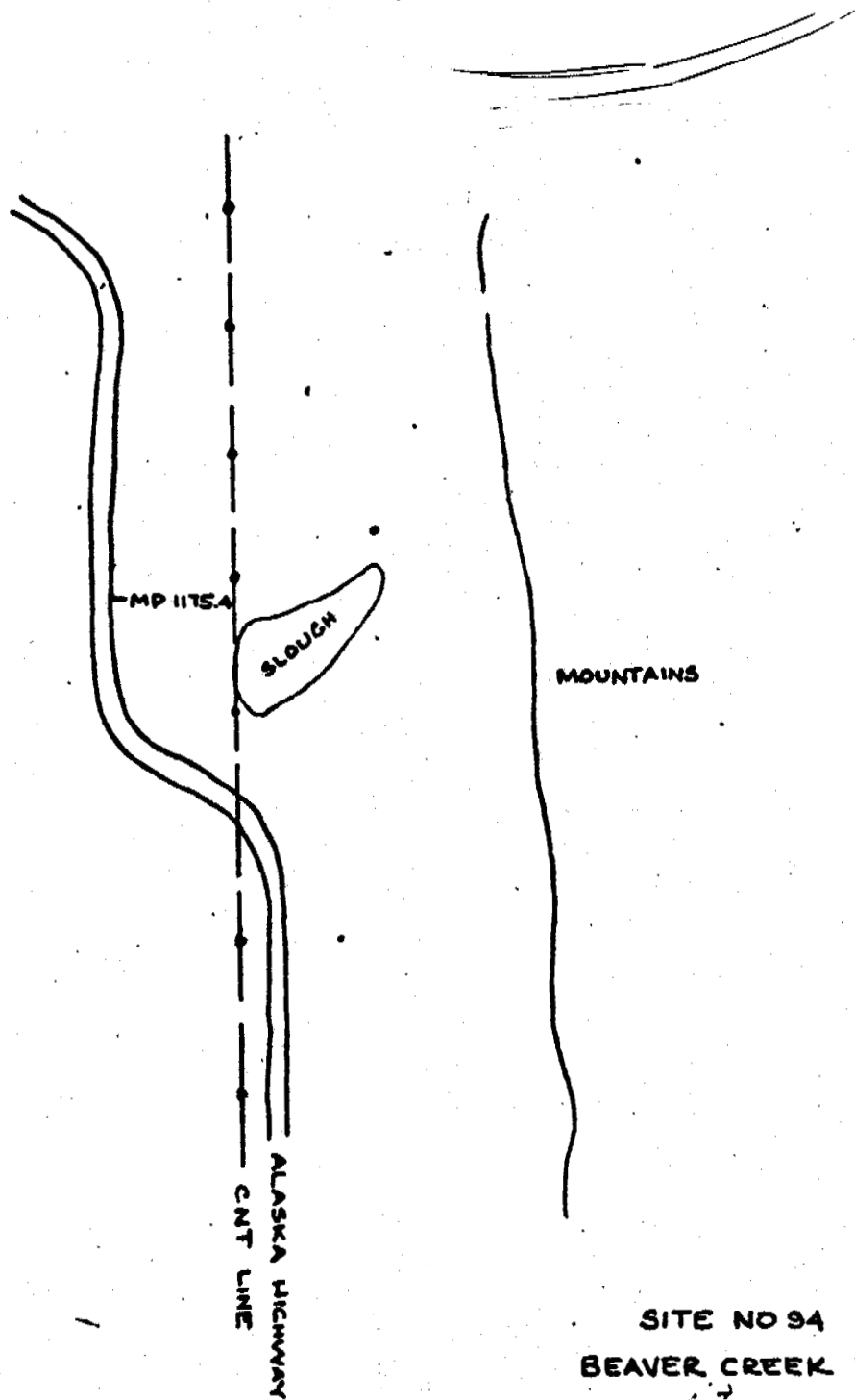
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu. Yds.
	Description:	Tree Cover: Heavy Spruce
	Material:	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☐	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: May/70	Sites Sampled: 1 Hole		
	Depth	Max.	Min.	Average
	Overburden		7'	
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks: Permafrost at 1 ft. below surface.			

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 95	
Location: MP 1175.5	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Sand and Silt	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: May/70		Sites Sampled: 7 Holes	
	Depth	Max.	Min.	Average
	Overburden	5'	1'	2'
	Material	14'	4'	10'
	Quantity: (CuYds) Estimated		Proven	
Remarks: Overburden generally frozen.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
1					100	96	89	72	44.9	7.7
2				100	99	83	64	42	25.9	2.8
3				100	97	94	79	52	23.5	5.3

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 96

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1175.8 KP Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status: Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Gentle Sidehill Tree Cover: Mod. Poplar
 Material: Sandy Gravel Deposit:
 Past Use: Borrow Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

SUBSURFACE
TEST RESULTS

Date: Sites Sampled:
 Depth Max. Min. Average
 Overburden
 Material
 Quantity: (CuYds) Estimated Proven
 Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 97

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1176.5

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds

Description:

Tree Cover:

Material: Silt and Clay

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: June/70

Sites Sampled: 5 Holes

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

5'

3'

Material

7'

4'

Quantity:(CuYds) Estimated

Proven

Remarks:

Four holes - permafrost below surface.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

Z Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
1	3'-10'		100	96	89	82	72	60	23.8	6.9
3	1'-5'		100	92	78	63	40	24	19.6	2.2

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 98

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1176.9

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu. Yds.

Description: Flat

Tree Cover: Light Spruce

Material: Silty Clay, Gravel

Deposit:

Past Use:

Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☒Crushed: ☐

Date: June/70

Sites Sampled:

4 Holes

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

2

1

Material

9'

3'

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost below surface in three holes.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

Z Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

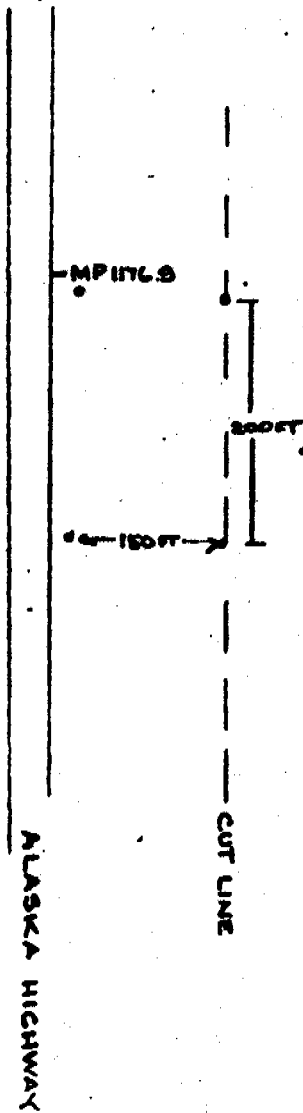
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO 98
BEAVER CREEK R.M.A.
416
TEST AREA
ALASKA HIGHWAY MP 176.9 RM
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 99

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1177.1

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material: Sandy Gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☒Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI
		86	70	51	37	22	13	5	--	NP
		1"								
		86	81	61	45	26	9	3	--	NP

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 100

Location:

Highway No: 1

Side R ☐ L ☒

Distance: 0.1 mi

MP 1177.1

KP

Highway Name: Alaska

Access Fair

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Heavy Spruce

Material: Gravel

Deposit:

Past Use:

Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 101

Location:

Highway No: 1

Side

R ☐ L ☒

Distance: Adjacent

MP 1177.5

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Sandy Gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 30

No. 200

LL

PI

503

84

71

55

45

31

10

4

--

NP

502

100

89

69

52

31

11

1

--

NP

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 102

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1177.6

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material: Gravel and Glacial Till

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: June/70

Sites Sampled: 24 Holes

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

1'

0

Material

+20'

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost and wet ground.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Petrographic Analysis - Quartzite - 40%; Granitic - 30%; Porphyry - 15%;
Limestone - 5%; Others - 10%

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun - Av. 6 holes		94	71	37	19	13	6	2	0	0
Pitrun - Av. 6 holes (sand-silt)				99	97	90	74	57	33	8
Lab Crush - 3/4" Av. 6 holes		97	49	26	17	7	2	0	0	0
Av. 6 holes (fine material)									37	9

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 103

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1178.0

KP Highway Name: Alaska

Access Good

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Heavy Spruce, Pop

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 104

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1178.1

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Sandy Gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☒Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI
500		100	84	62	47	32	17	4	--	NP
501		100	82	59	40	30	14	2	--	NP

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 105	
Location: MP 1179.8	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Silty Sandy Gravel	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
	Date: June/70			
	Sites Sampled:			
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated Proven			
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		100	86	70	61	49	38	27	12	0

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
-------------------	--

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 106

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1180.2

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☒Crushed: ☐

Date:

Sites Sampled: 5 Holes

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

6'

1'

1'

Material

14'

4'

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost in all holes.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

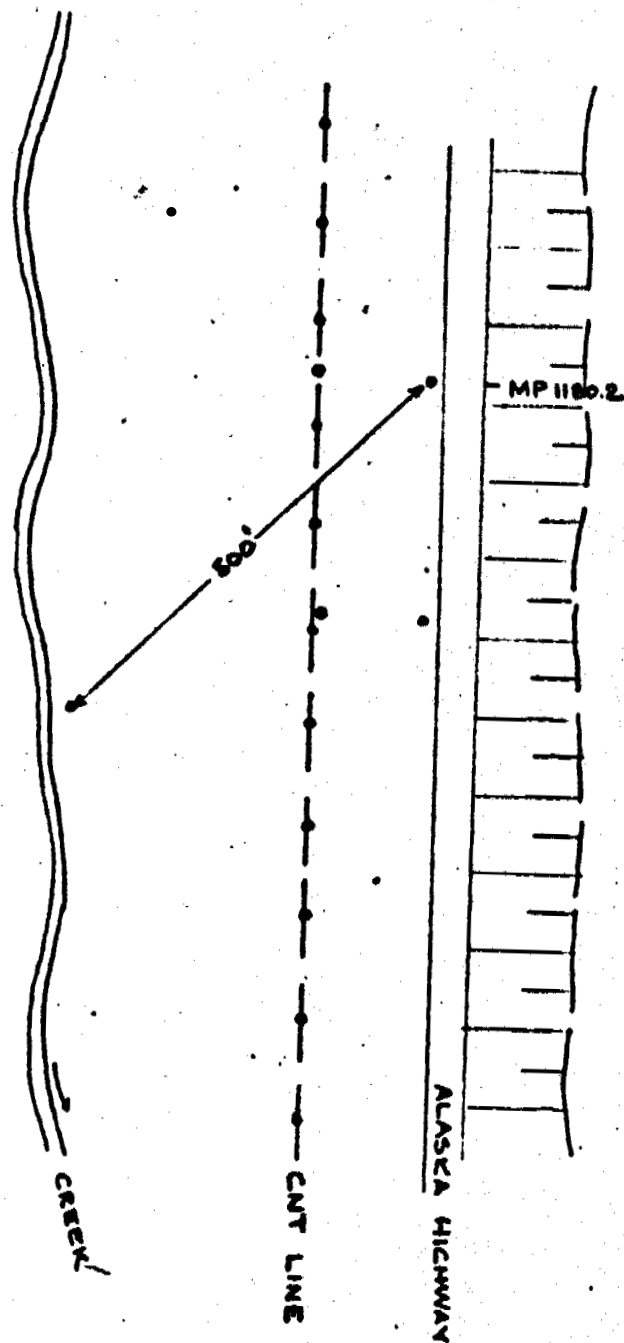
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE 106
BEAVER CREEK RMA.

TEST AREA

ALASKA HIGHWAY MP 1180.2 LH

NO SCALE

• TEST HOLES

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 107

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1180.5

KP

Highway Name: Alaska

Access

Tenure: Gravel Pit Reserve Appl.
Plan Yes ☒ No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Mod. Sidehill

Tree Cover: Mod. Small Poplar

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

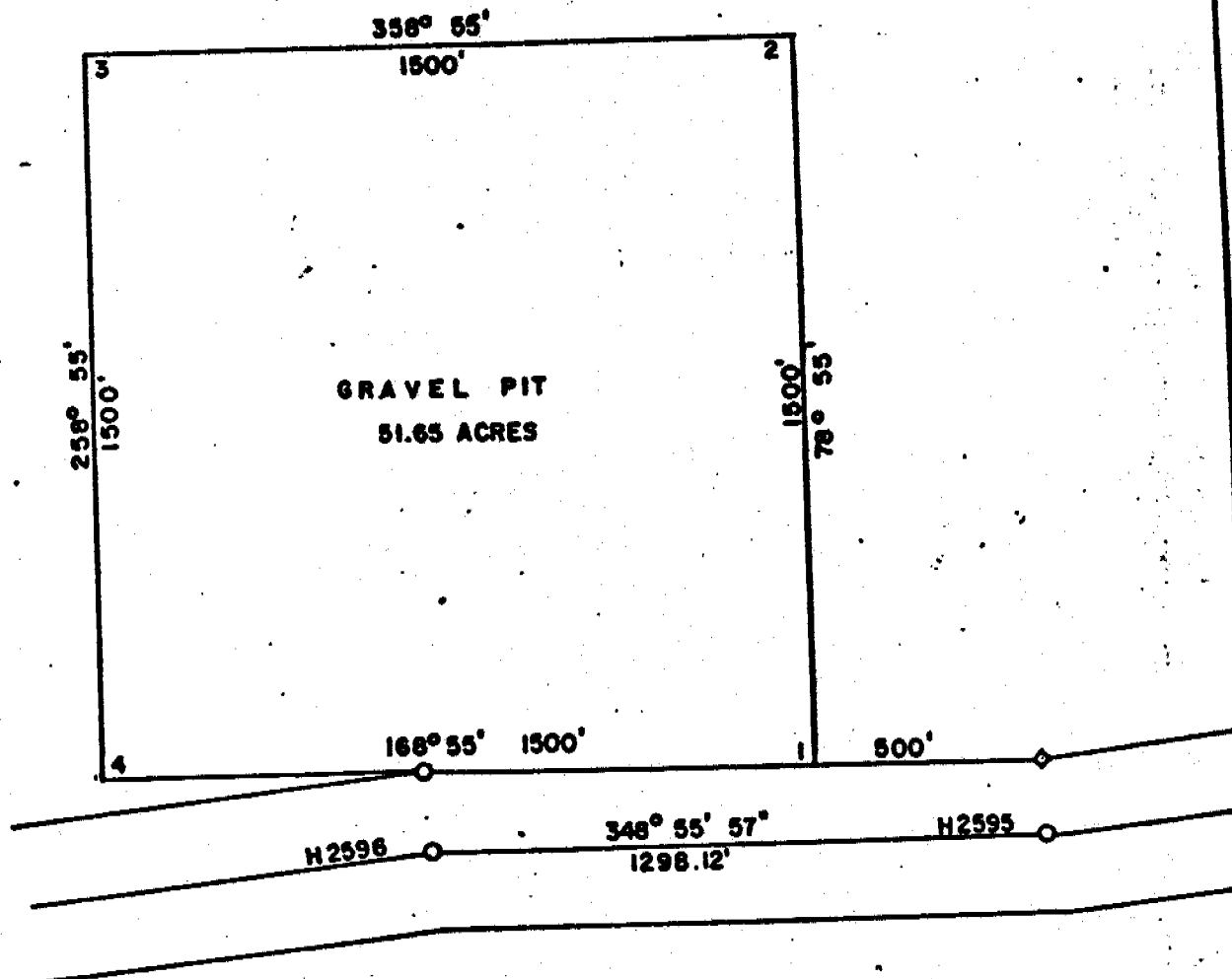
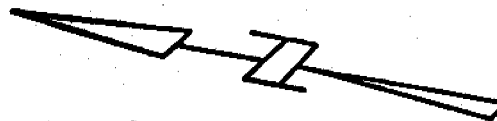
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Legal File; Federal Lands Office



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin

GRAVEL PIT RESERVE

scale:
échelle: 1" = 400'

ALASKA HIGHWAY
M.P. 1180.5

designed by:
conçu par

date

drawn by:
dessiné par

MAY 1972

reviewed by:
examiné par

approved by:
approuvé par

project no.
no. du projet

dwg. no.
dessin no.

LEGAL DESCRIPTION

GRAVEL PIT MILE 1180.5

From Legal Survey Monument H-2595 on a true bearing of 348 degrees 55 minutes for a distance of 500 feet to post #1; thence on a true bearing of 78 degrees 55 minutes for 1500 feet to post #2; thence on a true bearing of 358 degrees 55 minutes for a distance of 1500 feet to post #3; thence on a true bearing of 258 degrees 55 minutes for a distance of 1500 feet to post #4; thence on a true bearing of 168 degrees 55 minutes for a distance of 1500 feet to post #1 point of commencement.

NOTE:

Lines cut and surveyed

May 1954

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 108

Location:

Highway No: 1

Side R ☒ L ☐

Distance: 0.1 mi

MP 1181.2

KP

Highway Name:

Alaska

Access

Excellent

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Light Poplar

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

R.M. Area: Beaver Creek Borrow or Test Site No: 109

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent

MP 1181.6 KP Highway Name: Alaska Access

Tenure: Current Status: Inactive

Plan Yes ☐ No ☐

STOCKPILE SITE TYPE	Date:	Amount:	Cu.Yds.
	Description: Moderate Slope	Tree Cover: Light Poplar	
	Material: Gravel	Deposit:	
HISTORY	Past Use: Borrow	Date:	
	Performance Rating:	Amount Used:	
	Remarks:		

TEST SUMMARY	Augered	☐	Pitted	☐	Trenched	☐	Not Indicated	☐
	Lab. Test	☐	Sketch (Plan)	☐	Crushed:	☐		
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:					
	Depth	Max.			Min.		Average	
	Overburden							
	Material							
	Quantity: (CuYds) Estimated Proven							
Remarks:								

[illegible]

Potential Conflicts	Environmental:
	Land Use:

REFERENCE :

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 110

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1182.4

KP

Highway Name: Alaska

Access: Good

Tenure:

Plan

Yes ☐No ☐

Current Status: Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu, Yds.

Description: Mod. Slope

Tree Cover: Mod. Poplar

Material: Gravel

Deposit:

Past Use:

Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: CuYds Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 111	
Location: MP 1182.7	Highway No:	Side R ☒ L ☐	Distance: Adjacent
KP Highway Name:		Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Mod. Spruce, Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
------------	----------------------

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 112	
Location: MP 1183.0	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP ☐ Highway Name: Alaska		Access ☐	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Sand	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: July/59		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	Z Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
			100	97	91	82	41	8	--	--

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 113

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1185.5

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Small Knoll

Tree Cover: Mod. Poplar

Material: Gravel

Deposit:

Past Use:

Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 114	
Location: MP 1185.7	Highway No:	Side R ☒ L ☐	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☒		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Gentle Slope	Tree Cover: Mod. Poplar, Spruce
	Material: Gravel, Glacial Till, Clay	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: Nov/70		Sites Sampled: 15 holes	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
Remarks: Permafrost present. Limited binder material.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">Z Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr> <td>Crush 3/4"</td> <td>Av. 2 Holes</td> <td></td> <td>98</td> <td>47</td> <td>28</td> <td>19</td> <td>11</td> <td>6</td> <td>0</td> <td>0</td> </tr> <tr> <td>Pitrun - Av.</td> <td>6 holes</td> <td></td> <td>100</td> <td>95</td> <td>89</td> <td>82</td> <td>72</td> <td>58</td> <td>29</td> <td>10</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>			Grain Size Analysis		Z Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	Crush 3/4"	Av. 2 Holes		98	47	28	19	11	6	0	0	Pitrun - Av.	6 holes		100	95	89	82	72	58	29	10																						
Grain Size Analysis		Z Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									
Crush 3/4"	Av. 2 Holes		98	47	28	19	11	6	0	0																																																									
Pitrun - Av.	6 holes		100	95	89	82	72	58	29	10																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
-------------------	---

YUKON GRAVEL INVENTORY

R.M. Area Beaver Creek

Borrow or Test Site No:

115

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1185.9

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material: Clay

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date: June/70

Sites Sampled: 3 Holes

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

+10

1

Material

6

0

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost below surface.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

Z Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
									31.4	16.0

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: <u>Beaver Creek</u>		Borrow or Test Site No: <u>116</u>	
Location: <u>MP 1186.3</u>	Highway No: <u>1</u>	Side <u>R</u> ☒ <u>L</u> ☐	Distance: <u>Adjacent</u>
KP <u> </u> Highway Name: <u>Alaska</u>		Access <u> </u>	
Tenure: <u>Plan</u>		Current Status: <u> </u>	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date: <u> </u>	Amount: <u> </u> Cu.Yds.
	Description: <u> </u>	Tree Cover: <u> </u>
	Material: <u>Clayey Sand</u>	Deposit: <u> </u>
	Past Use: <u> </u>	Date: <u> </u>
	Performance Rating: <u> </u>	Amount Used: <u> </u>
	Remarks: <u> </u>	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: <u> </u>	Sites Sampled: <u> </u>		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated <u> </u>		Proven <u> </u>	
	Remarks: <u> </u>			

LAB. TEST RESULTS		Los Angeles Abrasion % Loss: <u> </u>		Crush Count: <u> </u>						
Other Tests: <u> </u>										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
			100	91	84	77	67	46	22.2	6.0

Potential Conflicts	Environmental: <u> </u>
	Land Use: <u> </u>

REFERENCE:	<u>DPW Materials Inventory; Alaska Highway Technical Data</u>
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R.H. Area: Beaver Creek

Borrow or Test Site No: 117

Location: Highway No: 1 Side R ☐ L ☒ Distance: Adjacent

MP 1186.4 KP ☐ Highway Name: Alaska Access ☐

Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE	Date:	Amount:	Cu.Yds.
	Description:	Tree Cover:	
SITE	Material: Sand		Deposit:
TYPE	Past Use:	Date:	
HISTORY	Performance Rating:	Amount Used:	
	Remarks:		

TEST SUMMARY	Augered	☐	Pitted	☐	Trenched	☐	Not Indicated	☒
	Lab. Test	☒	Sketch (Plan)	☐	Crushed:	☐		
SUBSURFACE TEST RESULTS	Date: June/63		Sites Sampled:					
	Depth	Max.			Min.		Average	
	Overburden							
	Material							
	Quantity (CuYds) Estimated Proven							
Remarks:								

[illegible]

Potential Conflicts	Environmental:
	Land Use:

REFERENCE: DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 118	
Location: MP 1186.5	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP	Highway Name: Alaska	Access: Good	
Tenure: Gravel Pit Reserve Plan		Current Status: Inactive	
Yes ☒ No ☐			

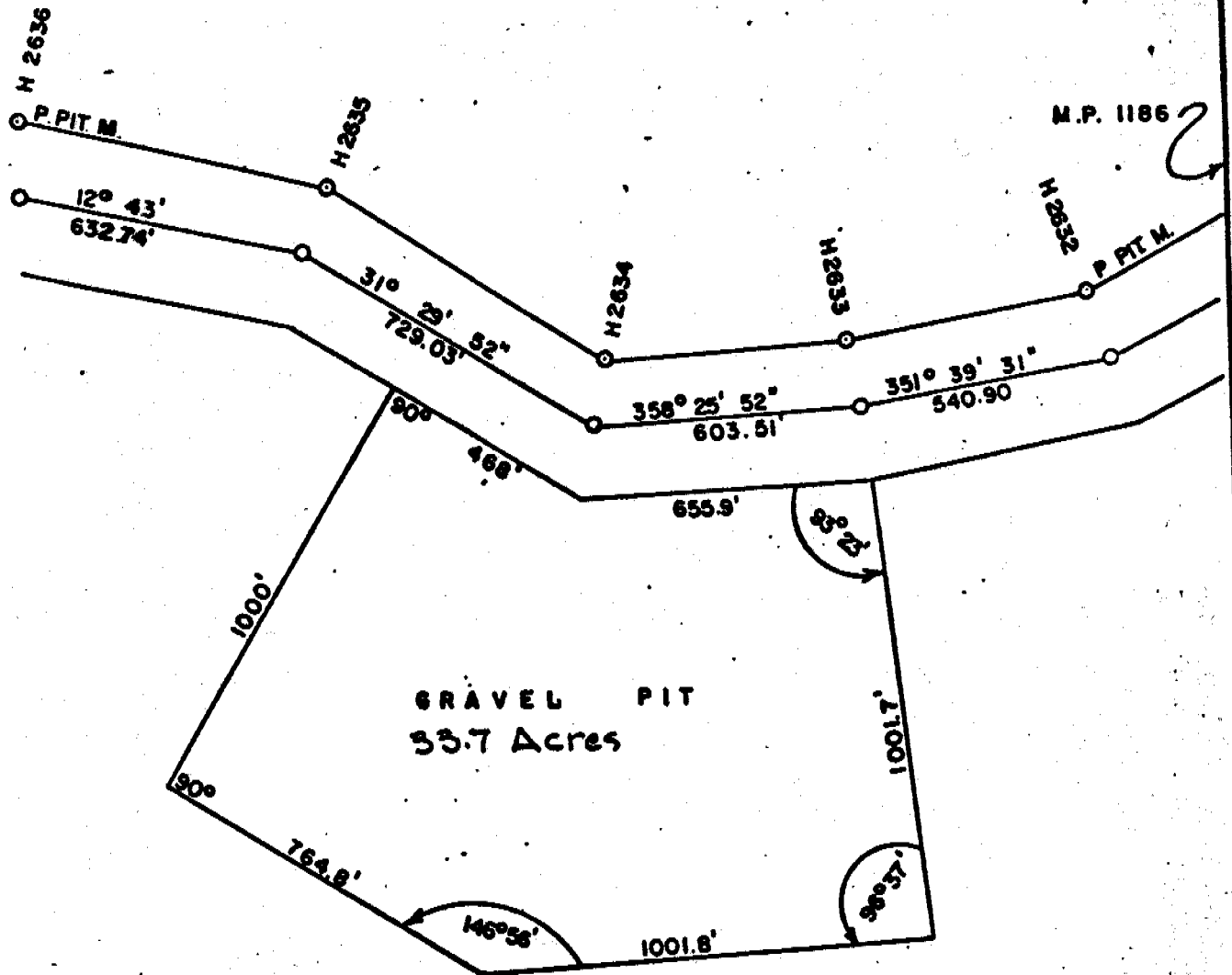
STOCKPILE SITE TYPE HISTORY	Date: May/77	Crush Amount: 250 Cu.Yds.
	Description: Moderate Sidehill	Tree Cover:
	Material: Gravel - Glacial Till	Deposit:
	Past Use: Surfacing MP 1179-1190	Date: 1971
	Performance Rating: Fair	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: 1970	Sites Sampled: 28 Holes		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks: Permafrost present in uncleared part of pit.			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:	Petrographic Analysis - Granitic - 40%; Quartzite - 25%; Tuff - 15%; Limestone - 10%; Others - 10%									
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun-Av. 8 holes		100	98	91	87	79	65	49	29	7
Lab Pitrun-Av. 10 holes			94	86	75	65	50	35	20	5
Lab Crush - 3/4" Av. 2 holes			96	67	49	41	31	21		
Crushing Contract 1971			96	77	61	49	36	22	19	4

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data ; DPW Legal File; Federal Lands Office
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DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE

scale:
échelle: 1" = 400'

ALASKA HIGHWAY
M.P. 1186.5

designed by
conçu par

date

drawn by
dessiné par

MAY 1972

reviewed by
examiné par

approved by
approuvé par

project no.
no. du projet

dwg. no.
dessin no.

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 119	
Location: MP 1186.9	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover: Mod. Spruce
	Material: Sandy Clay	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

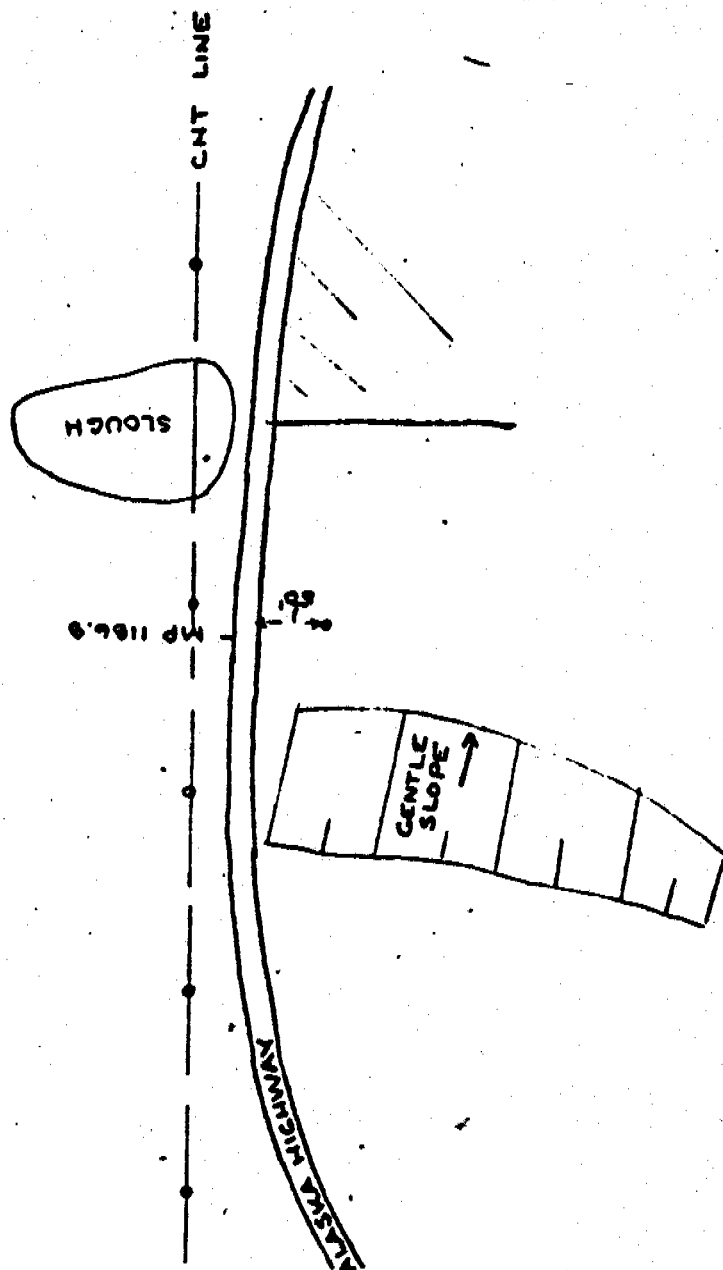
TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled: 1 Hole		
	Depth	Max.	Min.	Average
	Overburden		4'	
	Material	8'		
	Quantity (CuYds) Estimated		Proven	
Remarks:				

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
				99	94	89	77	62	24.2	8.3

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data
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SITE NO 119
BEAVER CREEK R.M.A.
427
TEST AREA
ALASKA HIGHWAY MP 118.9 L.I.
NO SCALE
• TEST HOLE



YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 120	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1187.0	KP	Highway Name: Alaska	Access
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Gravel	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: Oct/61		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		100	89	67	44	28	11	5	--	--

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 121	
Location: MP 1187.2	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan		Current Status: Inactive	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Gentle Slope	Tree Cover: Mod. Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 122	
Location: MP 1187.5	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP 1187.5	Highway Name: Alaska	Access Good	
Tenure: Plan		Current Status: Inactive	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat - Gently Rolling	Tree Cover:
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY SUBSURFACE TEST RESULTS	Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐												
	Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐												
	Date: Sites Sampled:												
	<table border="1" style="width:100%"> <tr> <th>Depth</th> <th>Max.</th> <th>Min.</th> <th>Average</th> </tr> <tr> <td>Overburden</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Material</td> <td></td> <td></td> <td></td> </tr> </table>	Depth	Max.	Min.	Average	Overburden				Material			
	Depth	Max.	Min.	Average									
Overburden													
Material													
Quantity (CuYds) Estimated Proven													
Remarks:													

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																								
	Other Tests:																																																																									
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>										Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																												
Grain Size Analysis		% Passing Sieve Size																																																																								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																																

Potential Conflicts	Environmental:
	Land Use:

REFERENCE :	
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YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 123	
Location: MP 1188.3	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
Access	Highway Name: Alaska		
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Glacial Till	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
SUBSURFACE TEST RESULTS	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:
Other Tests:		

Grain Size Analysis		Z Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No.40	No.200	LL	PI
		100	78	59	50	33	20	15	--	--

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 124	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
MP 1188.3	KP ☐	Highway Name: Alaska	Access ☐
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat - Gently Rolling	Tree Cover: Mod. Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐												
	Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐												
SUBSURFACE TEST RESULTS	Date: Sites Sampled:												
	<table border="1" style="width:100%"> <tr> <th>Depth</th> <th>Max.</th> <th>Min.</th> <th>Average</th> </tr> <tr> <td>Overburden</td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td>Material</td> <td> </td> <td> </td> <td> </td> </tr> </table>	Depth	Max.	Min.	Average	Overburden				Material			
	Depth	Max.	Min.	Average									
	Overburden												
	Material												
Quantity (CuYds) Estimated Proven													
Remarks:													

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
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Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 125	
Location: MP 1188.4	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP	Highway Name: Alaska	Access: Fair	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Heavy Poplar, Spru
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	Z Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 126	
Location: MP 1188.5	Highway No: 1	Side R ☒ L ☐	Distance: adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Gentle Slope	Tree Cover: Heavy Spruce, Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 127	
Location: MP 1188.8	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Gently Rolling	Tree Cover: Mod. Poplar, Spruce
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																												
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 128	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
MP 1189.0	KP ☐	Highway Name: Alaska	Access ☐
Tenure: Gravel Pit Reserve Plan Yes ☒ No ☐		Current Status: Inactive - Now used as garbage Pit	

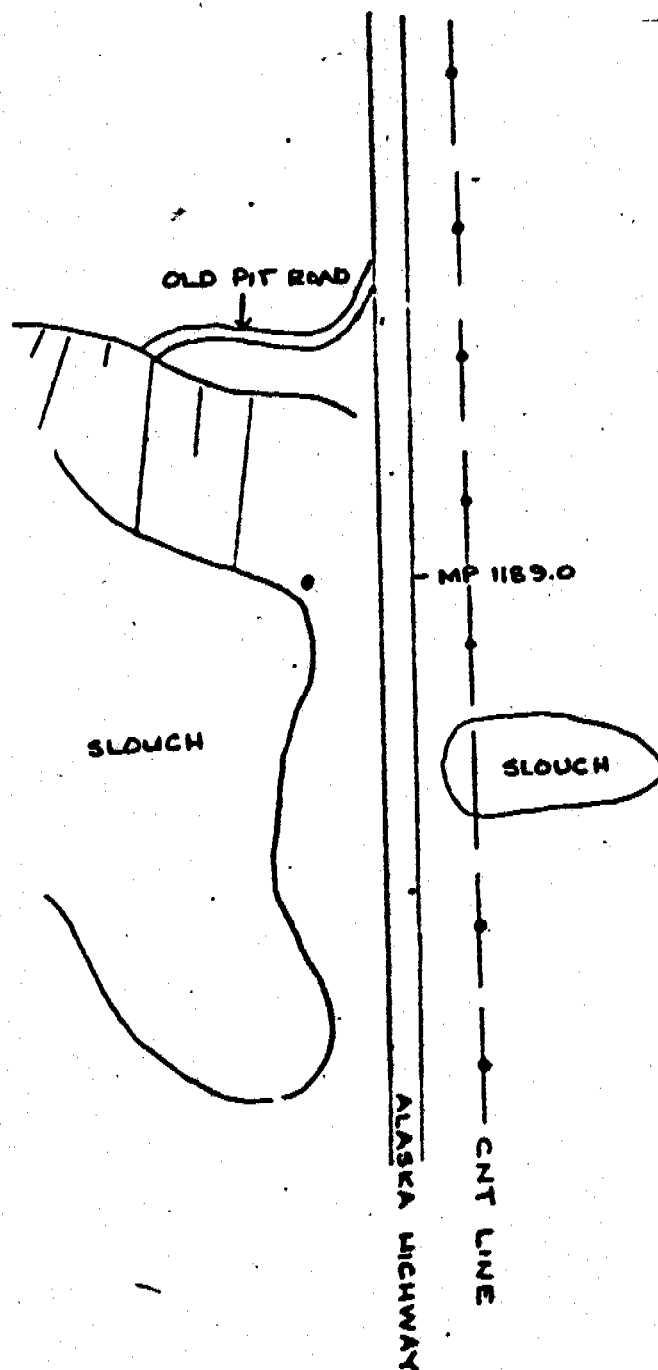
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Light Spruce and Poplar 1"-2" Diameter
	Materials: Gravel, Glacial Till and Sand	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY SUBSURFACE TEST RESULTS	Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐ Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐												
	Date: June/70 Sites Sampled: 1 Hole												
	<table border="1" style="width:100%"> <tr> <th>Depth</th> <th>Max.</th> <th>Min.</th> <th>Average</th> </tr> <tr> <td>Overburden</td> <td></td> <td>1'</td> <td></td> </tr> <tr> <td>Material</td> <td>12'</td> <td></td> <td></td> </tr> </table>	Depth	Max.	Min.	Average	Overburden		1'		Material	12'		
	Depth	Max.	Min.	Average									
	Overburden		1'										
Material	12'												
Quantity (CuYds): Estimated Proven													
Remarks:													

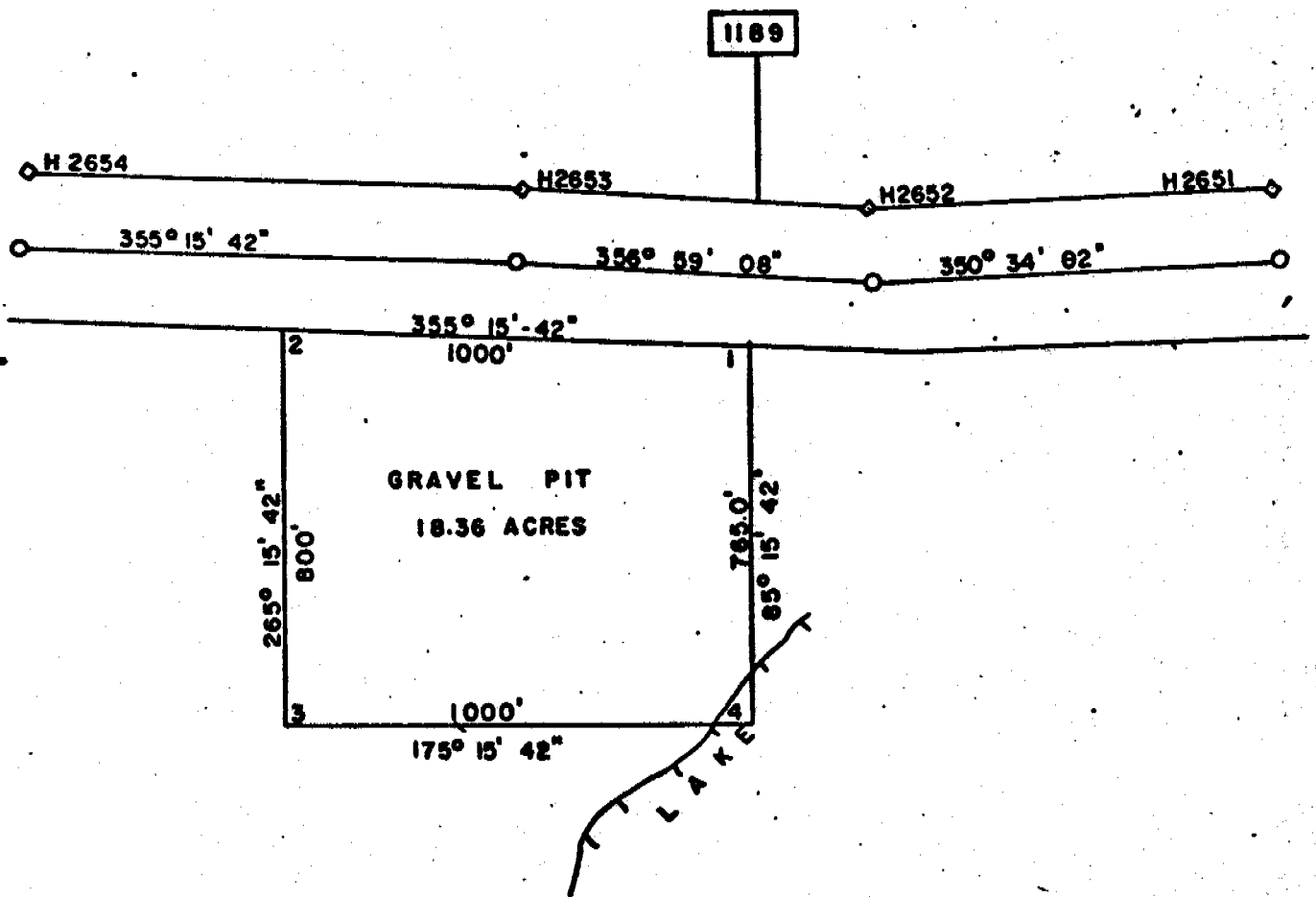
LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr> <td>1</td> <td>4'</td> <td>100</td> <td>93</td> <td>91</td> <td>91</td> <td>90</td> <td>89</td> <td>35</td> <td>3.6</td> <td>5</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	1	4'	100	93	91	91	90	89	35	3.6	5																																	
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									
1	4'	100	93	91	91	90	89	35	3.6	5																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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SITE NO 128 •
BEAVER CREEK R.M.A.
TEST AREA
ALASKA HIGHWAY MP 1189.0
NO SCALE
• TEST HOLE



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE

scale:
échelle: 1" = 400'

**ALASKA HIGHWAY
M. P. 1189.1**

designed by
conçu par

date

drawn by
dessiné par

MAY 1972

reviewed by
examiné par

approved by
approuvé par

project no.
no. du projet

dwg no.
dessin no.

LEGAL DESCRIPTION

GRAVEL PIT MILE 1189.1

Commencing at legal survey monument H 2653, on a true bearing of 265° 15' 42" for a distance of 150'; Thence on a true bearing of 175° 15' 42" for a distance of 500'; thence on a true bearing of 265° 15' 42" for a distance of 150' to Post No. 1; thence on a true bearing of 355° 15' 42" for a distance of 1000' to Post No. 2. Thence on a true bearing of 265° 15' 42" for a distance of 800' to Post No. 3; thence on a true bearing of 175° 15' 42" for a distance of 1000' to Post #4; thence on a true bearing of 85° 15' 42" for a distance of 800' to Post #1.

The land contained therein being 1836 acres more or less.

Lines Cut and Surveyed June 55

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 129

Location: MP 1189.5 Highway No: 1 Side R ☐ L ☐ Distance: Adjacent
 KP 1189.5 Highway Name: Alaska Access

Tenure: Plan Yes ☐ No ☐ Current Status:

STOCKPILE
SITE
TYPE
HISTORY

Date: Amount: Cu.Yds.
 Description: Tree Cover: Light Spruce
 Material: Sandy Clay Deposit:
 Past Use: Date:
 Performance Rating: Amount Used:
 Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐
 Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐

Date: June/70 Sites Sampled: 2 Holes

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	<u>8'</u>	<u>0'</u>	
Material	<u>+13'</u>	<u>0'</u>	

Quantity (CuYds) Estimated Proven

Remarks: Limited amount of material due to muskeg.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss: Crush Count:

Other Tests:

Grain Size Analysis		% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	
1	3-16'			94	35	75	57	37	23.0	6.3	

Potential
Conflicts

Environmental:
 Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

MP 1189.5

ROAD TO
CAMPSITE

SMALL LAKE

SLOUGH

ALASKA HIGHWAY

CNT LINE

SITE NO 129
BEAVER CREEK R.M.A.

TEST AREA

ALASKA HIGHWAY MP 1189.5 R.H.S.

NO. SCALE

• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 130	
Location: MP 1189.6	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
MP 1189.6	KP Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Moderate Sidehill	Tree Cover: Light Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
SUBSURFACE TEST RESULTS	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		X Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 131	
Location: MP 1190.1	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP	Highway Name: Alaska	Access: Good	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Gently Rolling	Tree Cover: Mod. Spruce, Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																												
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: <u>Beaver Creek</u>		Borrow or Test Site No: <u>132</u>	
Location: <u>MP 1190.5</u>	Highway No: <u>1</u>	Side <u>R</u> ☐ <u>L</u> ☒	Distance: <u>Adjacent</u>
KP <u> </u> Highway Name: <u>Alaska</u>		Access <u> </u>	
Tenure: Plan <u> </u> Yes ☐ No ☐		Current Status: <u>Inactive</u>	

STOCKPILE SITE TYPE HISTORY	Date: <u> </u>	Amount: <u> </u> Cu.Yds.
	Description: <u>Gently Rolling</u>	Tree Cover: <u>Mod. Poplar</u>
	Material: <u>Gravel</u>	Deposit: <u> </u>
	Past Use: <u>Borrow</u>	Date: <u> </u>
	Performance Rating: <u> </u>	Amount Used: <u> </u>
Remarks: <u> </u>		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	<u> </u>
SUBSURFACE TEST RESULTS	Date: <u> </u>		Sites Sampled: <u> </u>	
	Depth	Max.	Min.	Average
	Overburden	<u> </u>	<u> </u>	<u> </u>
	Material	<u> </u>	<u> </u>	<u> </u>
	Quantity (Cu.Yds) Estimated <u> </u>		Proven <u> </u>	
	Remarks: <u> </u>			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <u> </u>	Crush Count: <u> </u>								
Other Tests:	<u> </u>									
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental: <u> </u>
	Land Use: <u> </u>

REFERENCE:	<u> </u>
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 133	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1190.8	KP	Highway Name: Alaska	Access
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

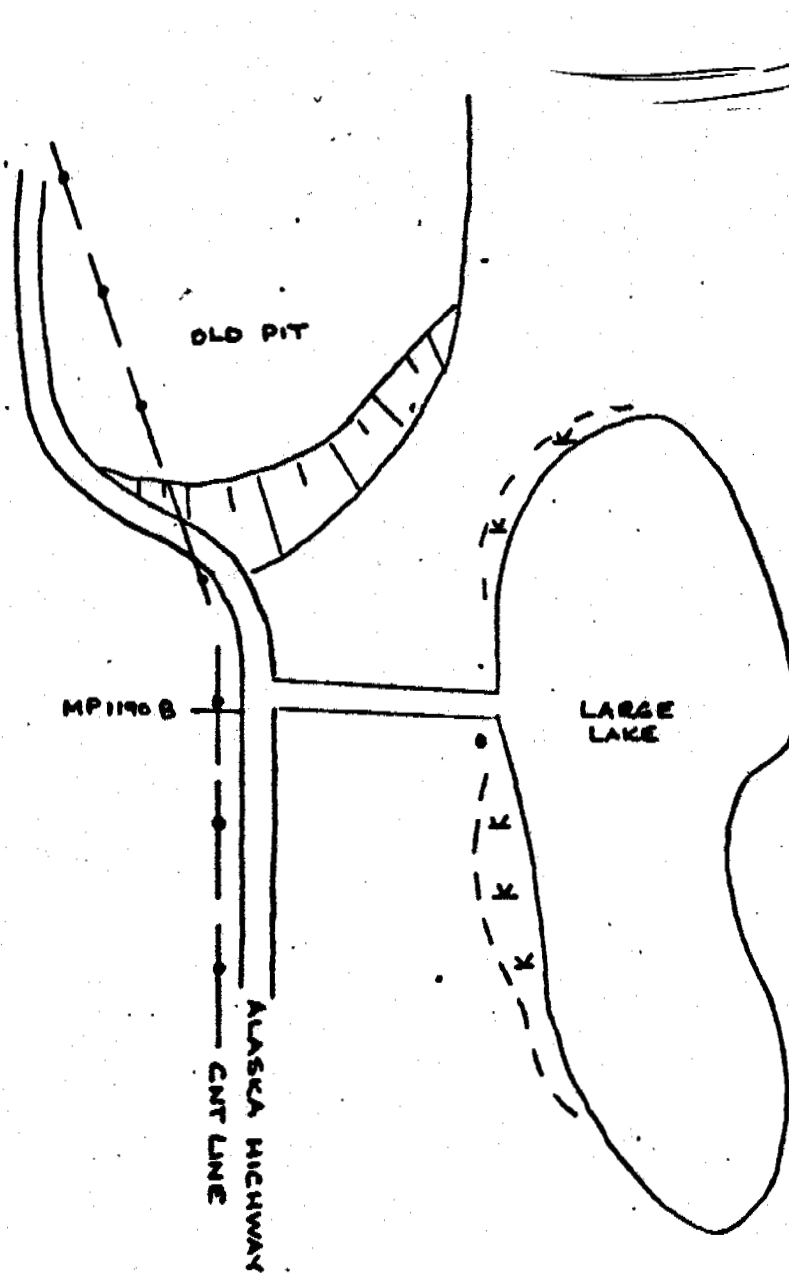
STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu. Yds.
	Description:	Tree Cover Light spruce and buck brush	
	Material: Clay	Deposit:	
	Past Use:	Date:	
	Performance Rating:	Amount Used:	
Remarks:			

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☒	Crushed: ☐	
	Date: June/70		Sites Sampled: 1 Hole	
	Depth	Max.	Min.	Average
	Overburden	5'	3'	
SUBSURFACE TEST RESULTS	Material	9'	4'	
	Quantity: (Cu Yds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:
	Other Tests:	
Grain Size Analysis		% Passing Sieve Size
Hole No.	Depth	1-1/2" 3/4" 3/8" No. 4 No. 10 No. 40 No. 200 LL PI
1	3'-12'	75 27.6 4.5

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DFW Materials Inventory; Alaska Highway Technical Data
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SITE NO 133
BEAVER CREEK RMA
TEST AREA
ALASKA HIGHWAY MP 1190.8 R.H.S.
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 134	
Location: MP 1191.0	Highway No: 1	Side R ☐ L ☐	Distance: Adjacent
MP 1191.0	Highway Name: Alaska	Access	
Tenure: Gravel Pit Reserve Plan		Current Status: Inactive	
Yes ☒ No ☐			

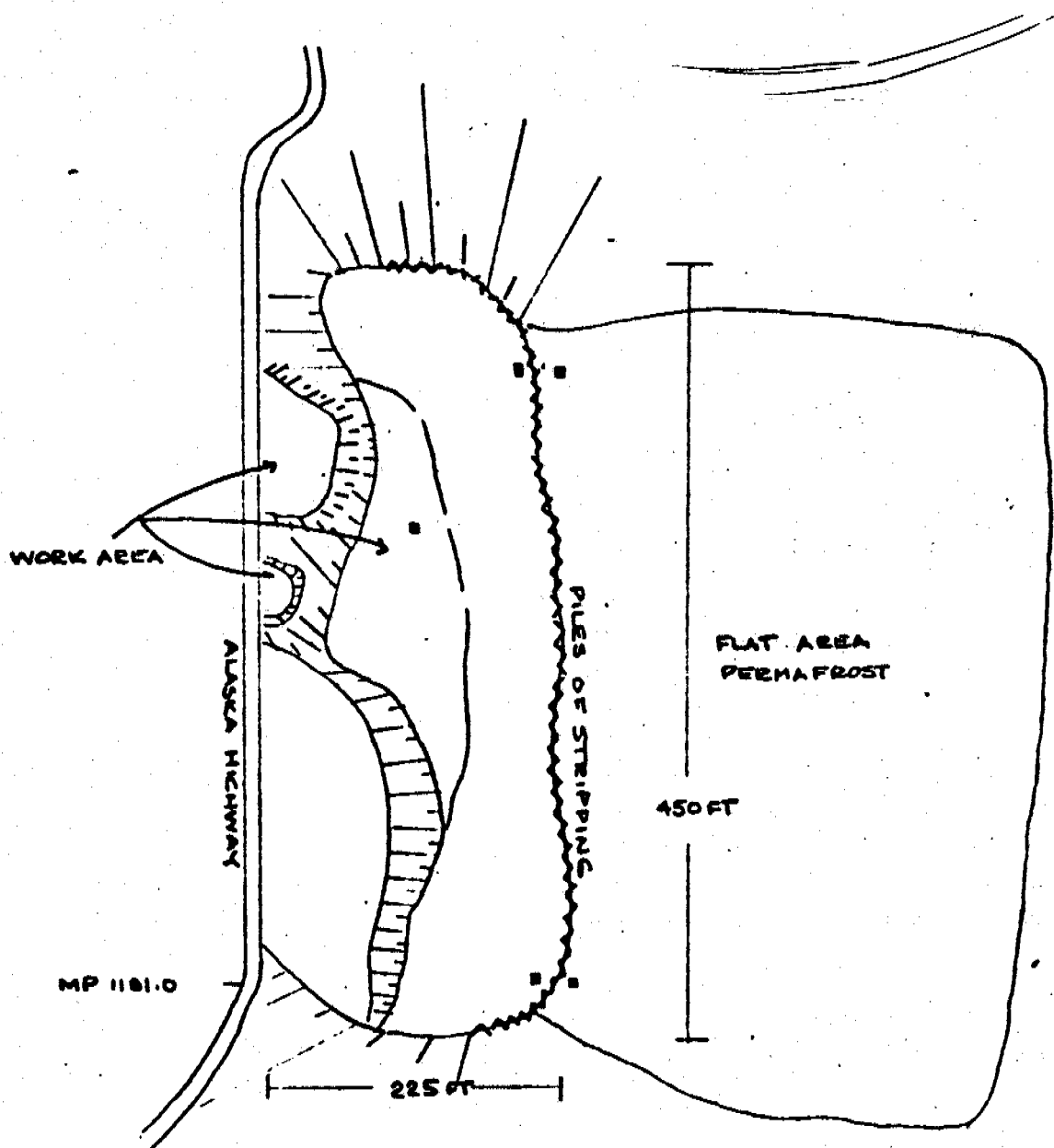
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Light stunted spruce
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☒	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled: 5 Pits		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:	Petrographic Analysis - Shale - 80%; Granite - 15%; Others - 5%																																																																		
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr> <td>Pitrun No. 1</td> <td>0-9'</td> <td>82</td> <td>57</td> <td>40</td> <td>29</td> <td>20</td> <td>7</td> <td>2</td> <td>--</td> <td>--</td> </tr> <tr> <td>Pitrun No. 4</td> <td>4'-14'</td> <td>95</td> <td>69</td> <td>48</td> <td>34</td> <td>21</td> <td>5</td> <td>3</td> <td>15</td> <td>3</td> </tr> <tr> <td>Crush-3/4"</td> <td>Av. 2 pits</td> <td>100</td> <td>99</td> <td>61</td> <td>38</td> <td>24</td> <td>7</td> <td>2</td> <td>12</td> <td>1</td> </tr> <tr> <td>Pitrun</td> <td></td> <td>100</td> <td>98</td> <td>45</td> <td>31</td> <td>24</td> <td>19</td> <td>15</td> <td>20</td> <td>1</td> </tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	Pitrun No. 1	0-9'	82	57	40	29	20	7	2	--	--	Pitrun No. 4	4'-14'	95	69	48	34	21	5	3	15	3	Crush-3/4"	Av. 2 pits	100	99	61	38	24	7	2	12	1	Pitrun		100	98	45	31	24	19	15	20	1
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									
Pitrun No. 1	0-9'	82	57	40	29	20	7	2	--	--																																																									
Pitrun No. 4	4'-14'	95	69	48	34	21	5	3	15	3																																																									
Crush-3/4"	Av. 2 pits	100	99	61	38	24	7	2	12	1																																																									
Pitrun		100	98	45	31	24	19	15	20	1																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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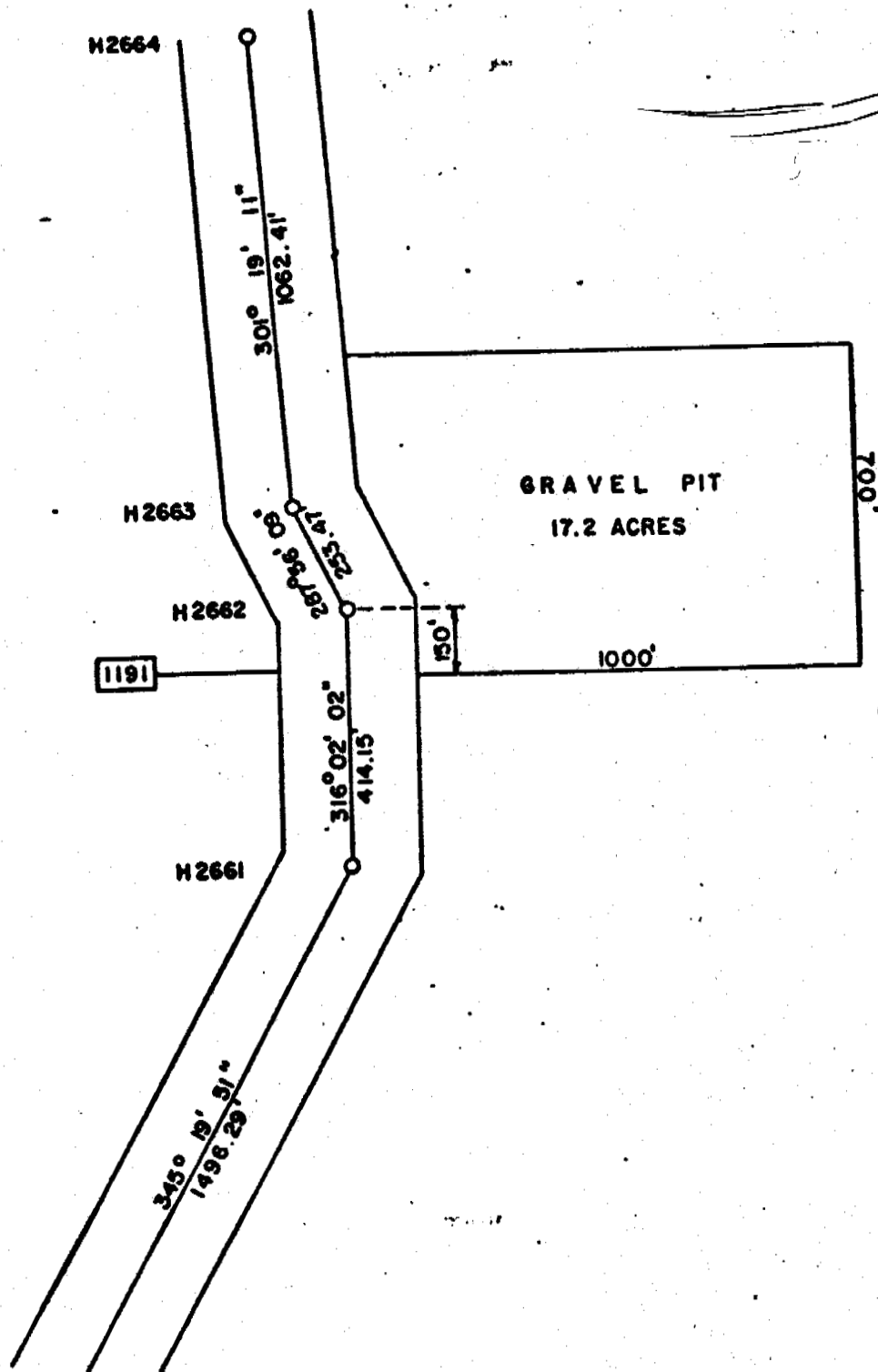


SITE NO 134
 BEAVER CREEK R.H.A.
 TEST AREA

ALASKA HIGHWAY MP 1181.0 R.H.S

NO SCALE

■ TEST PIT



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE

scale
échelle: 1" = 400'

ALASKA HIGHWAY
M.P. 1191

designed by
conçu par

date

drawn by
dessiné par

MAY 1972

reviewed by
examiné par

approved by
approuvé par

project no.
no. du projet

dwg no.
dessin no.

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 135	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1191.4	KP ☐	Highway Name: Alaska	Access ☐
Tenure: Plan		Yes ☐ No ☐	Current Status: Inactive

STOCKPILE - SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Gentle Sidehill	Tree Cover: Light Poplar, Spru
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 136	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1191.6	KP	Highway Name: Alaska	Access
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Sand	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☒	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: July/69		Sites Sampled: 1 Pit	
	Depth	Max.	Min.	Average
	Overburden		1'	
	Material	1'		
	Quantity (CuYds) Estimated		Proven	
	Remarks: Permafrost at 2 feet			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:
Other Tests:		

Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		67	60	48	40	30	15	7	--	--

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 137	
Location: MP 1191.7	Highway No: 1	Side R ☐ L ☐	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat, Swampy	Tree Cover: Light Spruce
	Material: Clay	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: June/70		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden	4'		
	Material	4'		
	Quantity (CuYds) Estimated		Proven	
Remarks: Surface soft. Permafrost below surface.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No.40	No.200	LL	PI
								75	34.7	7.3

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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MP 119.7

30' ±

ALASKA HIGHWAY

CNT LINE

SITE NO 137
BEAVER CREEK RMA.

TEST AREA
ALASKA HIGHWAY MP 119.7 RHS

NO SCALE

● TEST HOLE

YUKON GRAVEL INVENTORY

R.H. Area: <u>Beaver Creek</u>		Borrow or Test Site No: <u>138</u>	
Location: <u>MP 1192.0</u>	Highway No: <u>1</u>	Side <u>R</u> ☐ <u>L</u> ☒	Distance: <u>Adjacent</u>
KP <u> </u>	Highway Name: <u>Alaska</u>	Access <u> </u>	
Tenure: <u>Plan</u>		Current Status: <u>Inactive</u>	
Yes ☐ No ☐			

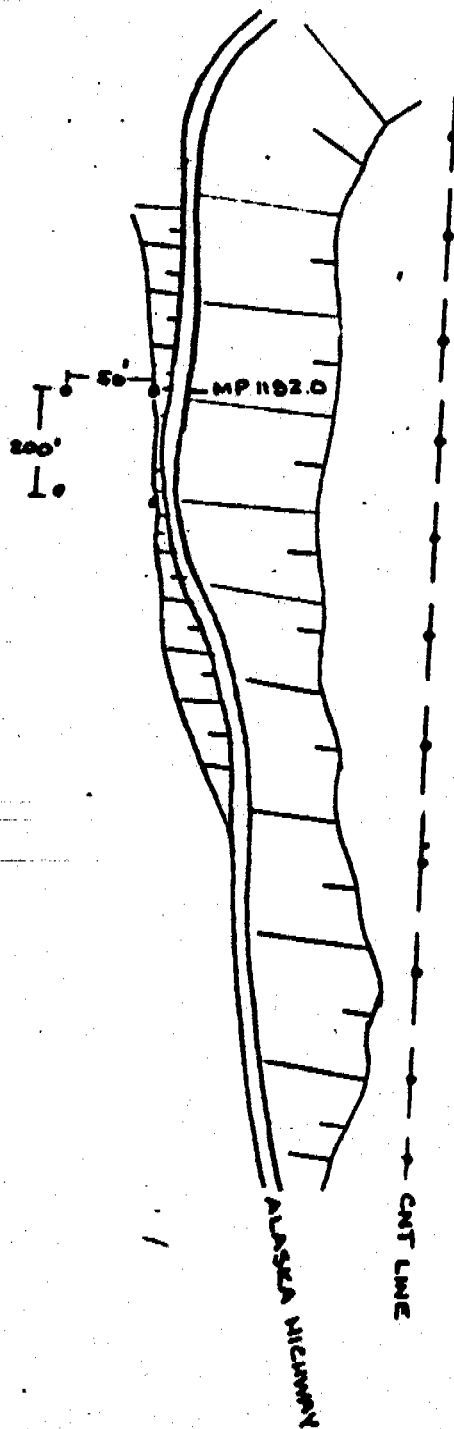
STOCKPILE SITE TYPE HISTORY	Date: <u> </u>	Amount: <u> </u> Cu.Yds.
	Description: <u>Steep sidehill</u>	Tree Cover: <u> </u>
	Material: <u>Clay, Gravel</u>	Deposit: <u> </u>
	Past Use: <u> </u>	Date: <u> </u>
	Performance Rating: <u> </u>	Amount Used: <u> </u>
	Remarks: <u> </u>	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	<u> </u>
SUBSURFACE TEST RESULTS	Date: <u>June/70</u>		Sites Sampled: <u>5 Holes</u>	
	Depth	Max.	Min.	Average
	Overburden	<u>12'</u>	<u>2'</u>	
	Material	<u>7'</u>	<u>0'</u>	
	Quantity (CuYds) Estimated <u> </u>		Proven <u> </u>	
	Remarks: <u>Permafrost below surface.</u>			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <u> </u>	Crush Count: <u> </u>								
Other Tests: <u> </u>										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
<u>1</u>	<u>12'</u>							<u>75</u>	<u>27.7</u>	<u>8.2</u>
<u>2</u>	<u>9'</u>							<u>75</u>	<u>25.3</u>	<u>5.3</u>
<u>3</u>	<u>8'</u>							<u>75</u>	<u>48.1</u>	<u>13.5</u>

Potential Conflicts	Environmental: <u> </u>
	Land Use: <u> </u>

REFERENCE:	<u>DPW Materials Inventory; Alaska Highway Technical Data</u>
------------	---



SITE NO. 138
BEAVER CREEK RMA.

TEST AREA.
ALASKA HIGHWAY MP 1152.0 LHS
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 139

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1192.0 KP Highway Name: Alaska Access

Tenure: Gravel Pit Reserve Appl. Current Status: Not developed
 Plan Yes ☒ No ☐

STOCKPILE
SITE
TYPE
HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☒Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

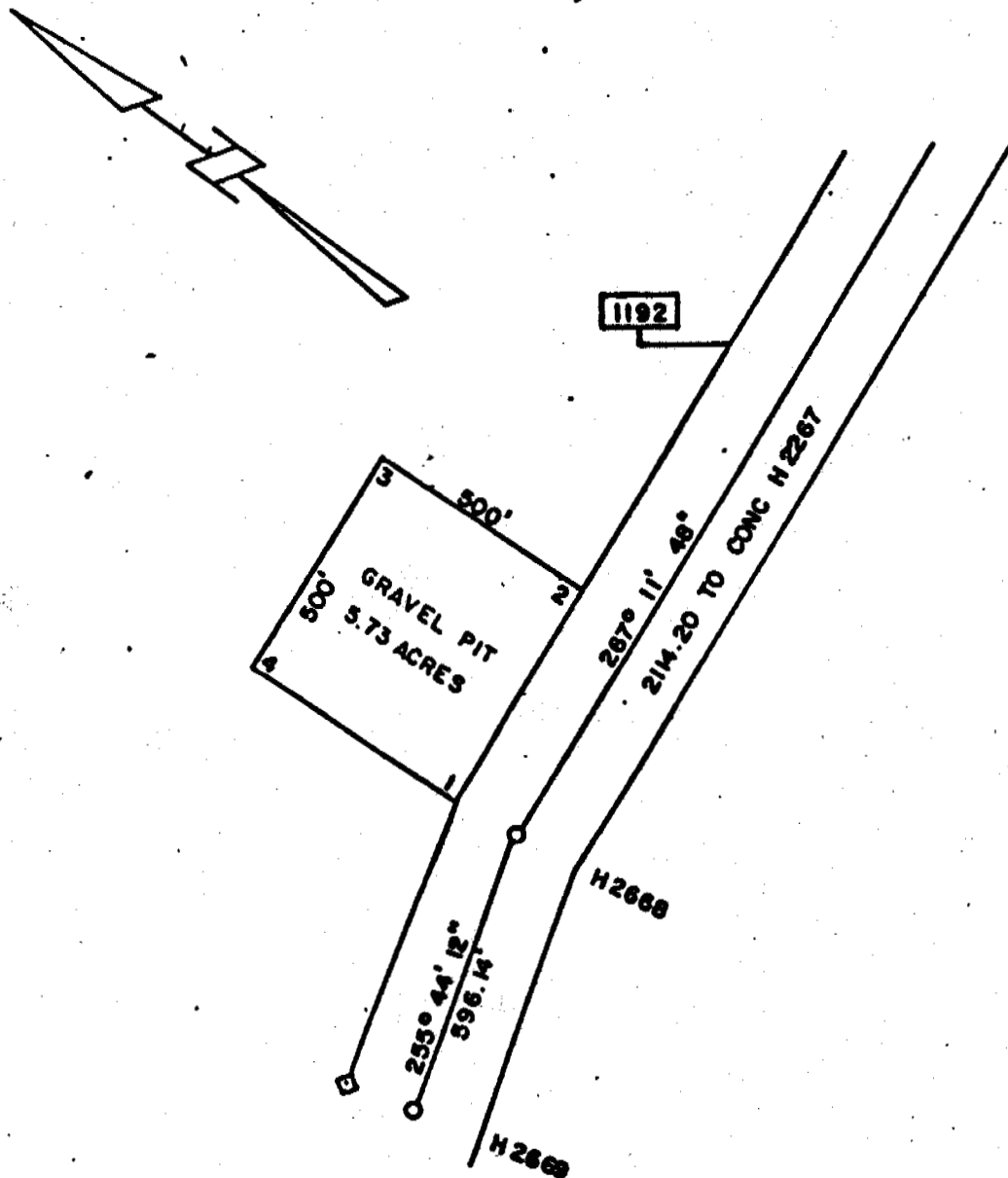
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Legal File
Federal Lands Office



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE

scale:
échelle: 1" = 400'

ALASKA HIGHWAY
M.P. 1192

designed by:
conçu par

da:

drawn by:
dessiné par

MAY 1972

reviewed by:
examiné par

approved by:
approuvé par

project no.
no. du projet

dwg. no.
dessin no.

LEGAL DESCRIPTION

GRAVEL PIT MILE 1192

Commencing at post #1 located on the easterly boundary of the Alaska Highway at Legal Survey Monument H-2658; thence on a true bearing of 87° 11 minutes for a distance of 500 feet to post #2; thence on a true bearing of 357 degrees 11 minutes for the distance of 500 feet to post #3; thence on a true bearing of 267 degrees 11 minutes for a distance of 500 feet to post #4; thence on a true bearing of 177 degrees 11 minutes for a distance of 500 feet to post #1 point of commencement.

NOTE:

Lines cut and surveyed

June 1954

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 140

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1192.1

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐

No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐

Pitted ☒

Trenched ☐

Not Indicated ☐

Lab. Test ☒

Sketch (Plan) ☐

Crushed: ☐

Date:

Sites Sampled:

1 Pit

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

0'

Material

12'

Quantity:(CuYds)Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Crush - 3/4"	3'-12'	100	95	62	39	22	4	1	--	0
Pitrun	3'-12'	89	65	47	34	19	3	1	--	NP

Potential

Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 141

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1192.6

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Gentle Sidehill

Tree Cover: Mod. Poplar, Spruce

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 142	
Location: MP 1193.5	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP ☐ Highway Name: Alaska		Access ☐	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Small knoll	Tree Cover: Mod. Spruce, Popl
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Angered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated		Proven	
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis										
		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 143	
Location: MP 1193.5	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP Highway Name: Alaska		Access 	
Tenure: Plan Yes ☐ No ☐		Current Status: 	

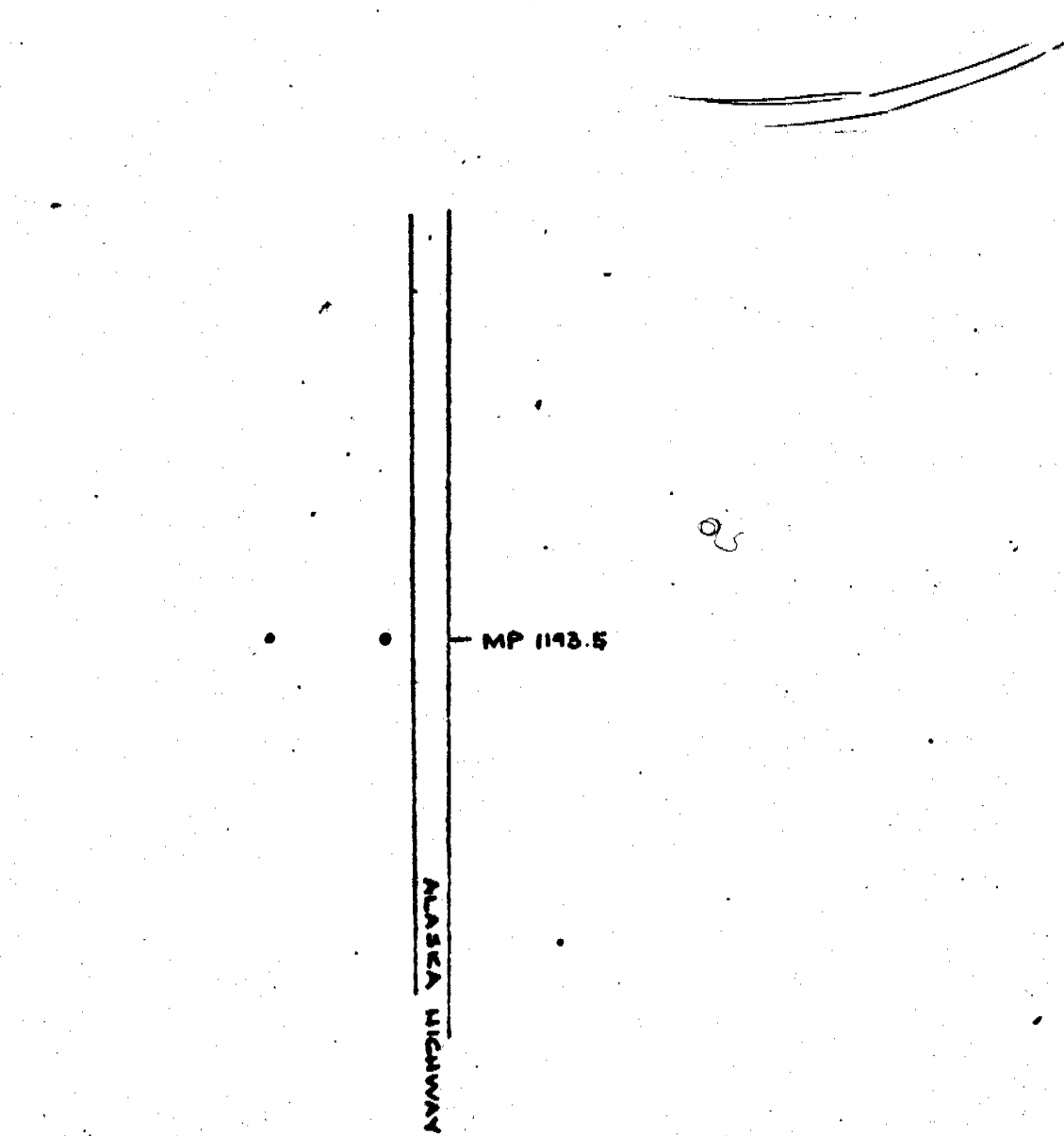
STOCKPILE SITE TYPE HISTORY	Date: 	Amount: Cu.Yds.
	Description: 	Tree Cover: Light Spruce
	Material: Sand - Silt	Deposit:
	Past Use: 	Date:
	Performance Rating: 	Amount Used:
Remarks: 		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: June/70		Sites Sampled: 2 Holes	
	Depth	Max.	Min.	Average
	Overburden	 	1'	
	Material	15'	7'	
	Quantity (CuYds) Estimated 		Proven 	
Remarks: Permafrost below surface in one hole.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: 	Crush Count: 								
Other Tests: 	 									
Grain Size Analysis	Z Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun-1	4'-10'	100	98	94	87	80	71	64	34.7	4.-

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data



MP 1193.5

ALASKA HIGHWAY

SITE NO 143
BEAVER CREEK R.M.A.
TEST AREA

ALASKA HIGHWAY MP 1193.5 LHS

NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 144	
Location: MP 1193.8	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material:	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☒	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity:(CuYds) Estimated	Proven		
Remarks: No sample. Permafrost at 2 feet, material non plastic.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No.40</th> <th>No.200</th> <th>LL</th> <th>PI</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No.40	No.200	LL	PI																																												
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No.40	No.200	LL	PI																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 145	
Location: MP 1193.9 to KP 1194.0	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
Highway Name:		Access:	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material:	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:
Other Tests:		
Grain Size Analysis		% Passing Sieve Size
Hole No.	Depth	1-1/2" 3/4" 3/8" No. 4 No. 10 No. 40 No. 200 LL PI
Crush-3/4"		100 93 73 48 30 16 -- --
Crush-3/4"		100 98 80 62 41 25 16 -- --
Pitrun		77 57 39 28 17 8 -- --
Pitrun		100 94 87 83 77 65 55 -- --

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 146	
Location:	Highway No: 1	Side: R ☒ L ☐	Distance: Adjacent
MP 1194.4	KP	Highway Name: Alaska	Access:
Tenure: Gravel Pit Reserve Appl. Plan		Current Status: Active	
Yes ☒ No ☐			

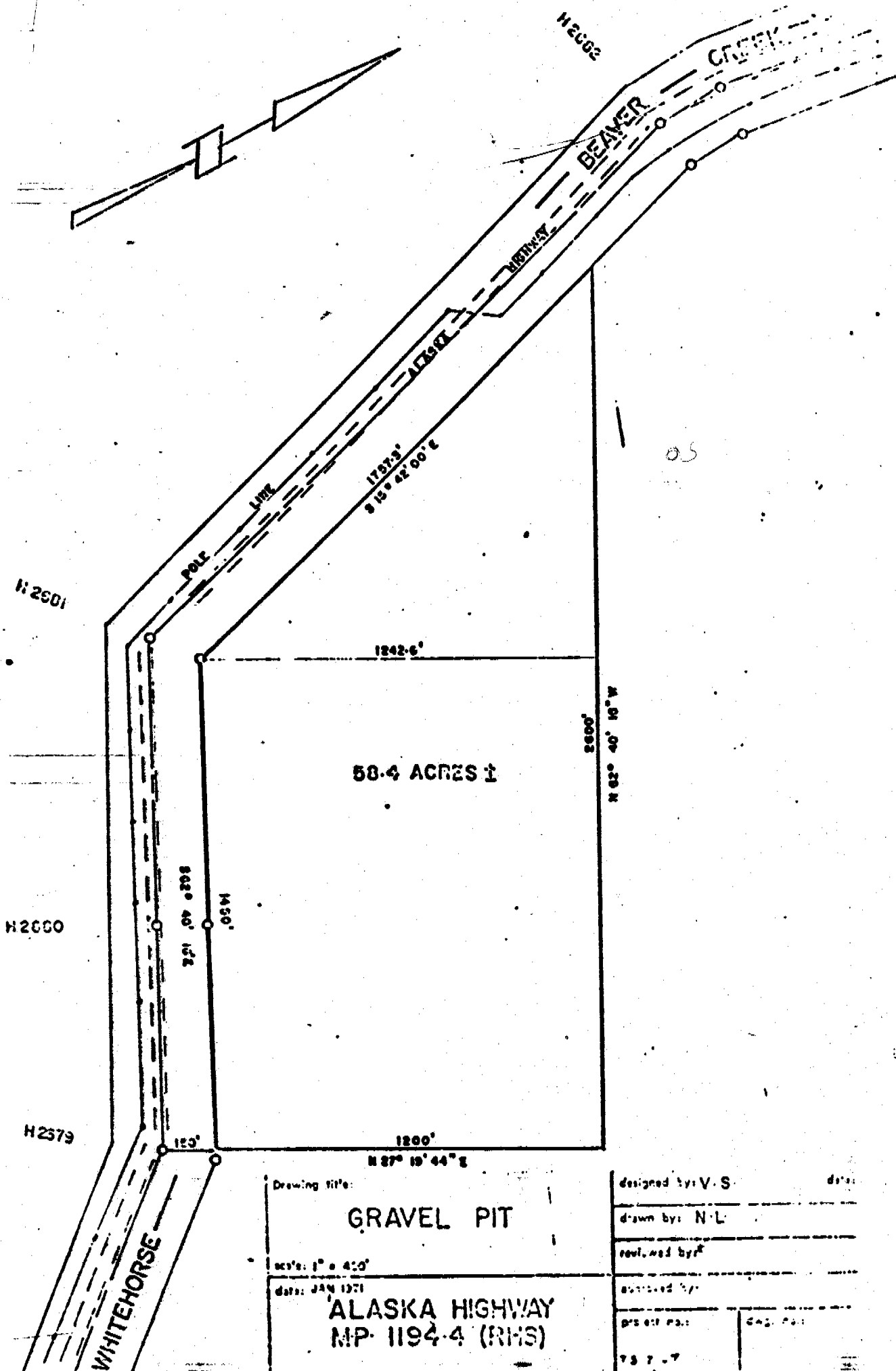
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Mod.- Steep Slope	Tree Cover:
	Material: Shale - Glacial Till	Deposit:
	Past Use: Surfacing MP 1190-1204	Date: 1971
	Performance Rating: Fair	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: 1970		Sites Sampled: 34 Holes	
	Depth	Max.	Min.	Average
	Overburden	7'	0	
	Material	+ 20		
	Quantity (CuYds) Estimated		Proven	
Remarks: Black shale has sufficient plasticity to form fair surfacing material.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																						
Other Tests:																																																								
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr> <td>Lab Pitrun</td> <td>Av. 11 holes</td> <td>95</td> <td>88</td> <td>65</td> <td>56</td> <td>44</td> <td>26</td> <td>15</td> <td>22</td> <td>6</td> </tr> <tr> <td>Pitrun - Av.</td> <td>15 holes</td> <td></td> <td>99</td> <td>94</td> <td>88</td> <td>81</td> <td>70</td> <td>60</td> <td>26</td> <td>6</td> </tr> <tr> <td>1971 Crushing</td> <td>Contract</td> <td></td> <td>99</td> <td>83</td> <td>62</td> <td>42</td> <td>22</td> <td>14</td> <td>20</td> <td>2</td> </tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	Lab Pitrun	Av. 11 holes	95	88	65	56	44	26	15	22	6	Pitrun - Av.	15 holes		99	94	88	81	70	60	26	6	1971 Crushing	Contract		99	83	62	42	22	14	20	2
Grain Size Analysis		% Passing Sieve Size																																																						
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																														
Lab Pitrun	Av. 11 holes	95	88	65	56	44	26	15	22	6																																														
Pitrun - Av.	15 holes		99	94	88	81	70	60	26	6																																														
1971 Crushing	Contract		99	83	62	42	22	14	20	2																																														

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data BPW Legal File Federal Lands Office
-------------------	--



Drawing title:

GRAVEL PIT

acres: 1" = 400'

date: JAN 1971

ALASKA HIGHWAY
MP 1194.4 (RHS)

designed by: V.S.

date:

drawn by: N.L.

rechecked by:

approved by:

project no:

date:

75 7-7

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 147

Location:

Highway No: 1

Side

R

L

Distance:

Adjacent

MP

1194.4

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes

No

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover: Thick spruce

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered

☒

Pitted

☐

Trenched

☐

Not Indicated

☐

Lab. Test

☐

Sketch (Plan)

☒

Crushed:

☐

Date:

Sites Sampled:

1 Hole

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

10'

Material

Quantity:(CuYds)Estimated

Proven

Remarks:

Not sampled.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No.40

No.200

LL

PI

Potential
Conflicts

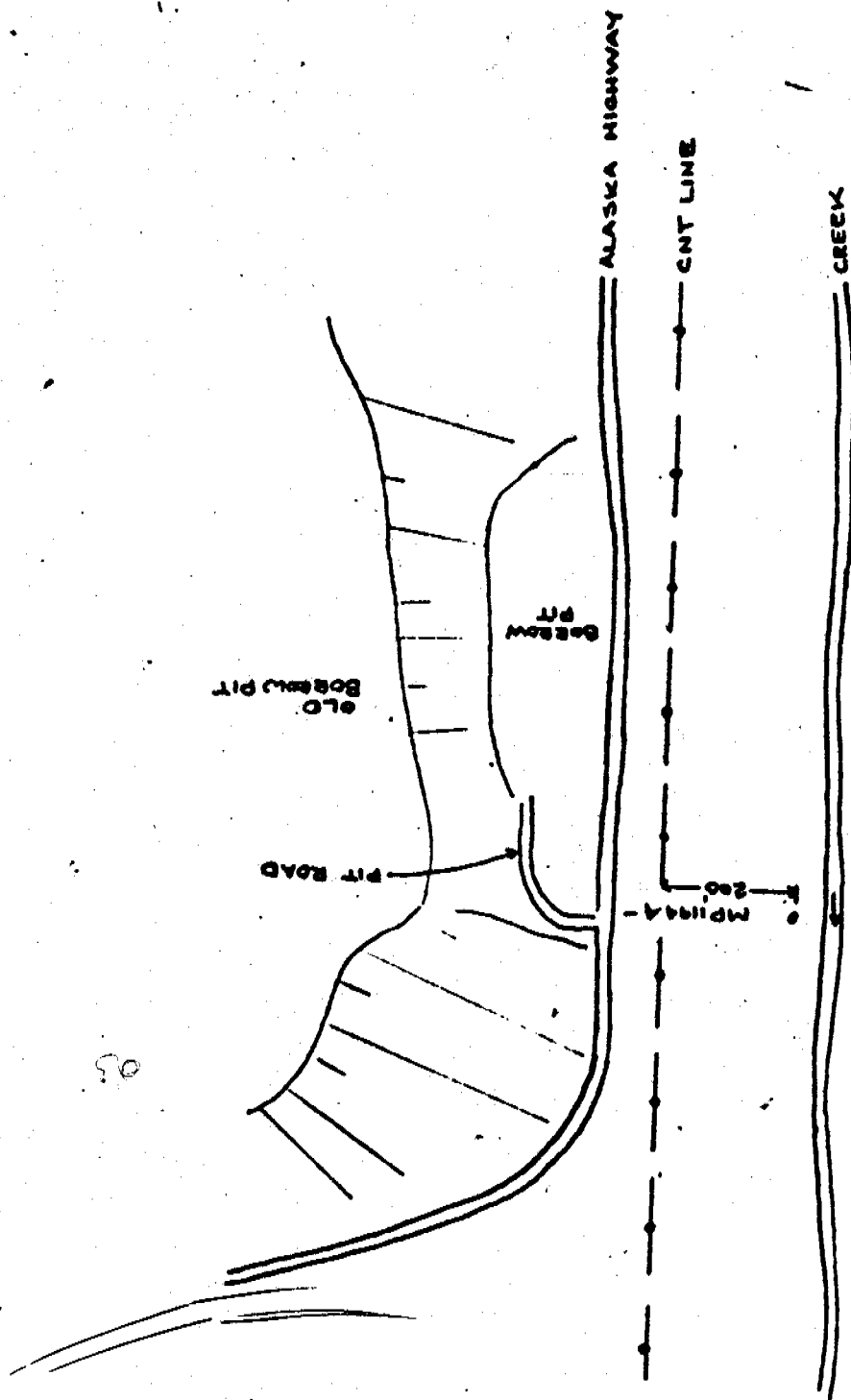
Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

SITE NO 147
BEAVER CREEK RMA
TEST AREA
ALASKA HIGHWAY MP 119.4 LHS
NO SCALE
TEST HOLE



YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 148

Location:

Highway No: 1

Side R ☐ L ☐

Distance: Adjacent

MP 1194.8

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐

No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Gravel

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐

Pitted ☐

Trenched ☐

Not Indicated ☒

Lab. Test ☒

Sketch (Plan) ☐

Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Pitrun

95

80

60

45

26

7

2

--

--

Pitrun

95

80

60

45

28

7

1

--

--

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 149

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1194.9 KP Highway Name: Alaska Access Poor

Tenure: Gravel Pit Reserve Current Status: Inactive
 Plan Yes ☐ No ☒

STOCKPILE SITE TYPE HISTORY	Date:		Amount:	Cu.Yds.
	Description:	Steep Sidehill	Tree Cover:	Light Poplar
	Material:	Gravel	Deposit:	
	Past Use:	Borrow	Date:	
	Performance Rating:		Amount Used:	
Remarks:				

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated	Proven		
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	Federal Lands Office
------------	----------------------

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 150

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
MP 1195.3 KP ☐ Highway Name: Alaska Access: Poor

Tenure: Plan Yes ☐ No ☐ Current Status: Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount: Cu.Yds.

Description: Flat

Tree Cover: Light small poplar

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☐Lab. Test ☐ Sketch (Plan) ☐ Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: <u>Beaver Creek</u>		Borrow or Test Site No: <u>151</u>	
Location: <u>MP 1195.3</u>	Highway No: <u>1</u>	Side <u>R</u> ☒ <u>L</u> ☐	Distance: <u>Adjacent</u>
KP <u> </u>	Highway Name: <u>Alaska</u>	Access <u>None</u>	
Tenure: Gravel Pit Reserve Plan		Current Status: <u>Inactive</u>	
Plan Yes ☒ No ☐			

STOCKPILE SITE TYPE HISTORY	Date: <u> </u>	Amount: <u> </u> Cu.Yds.
	Description: <u>Flat</u>	Tree Cover: <u>Small Poplar</u>
	Material: <u>Gravel</u>	Deposit: <u> </u>
	Past Use: <u>Road Relocation</u>	Date: <u>1963</u>
	Performance Rating: <u> </u>	Amount Used: <u> </u>
Remarks: <u> </u>		

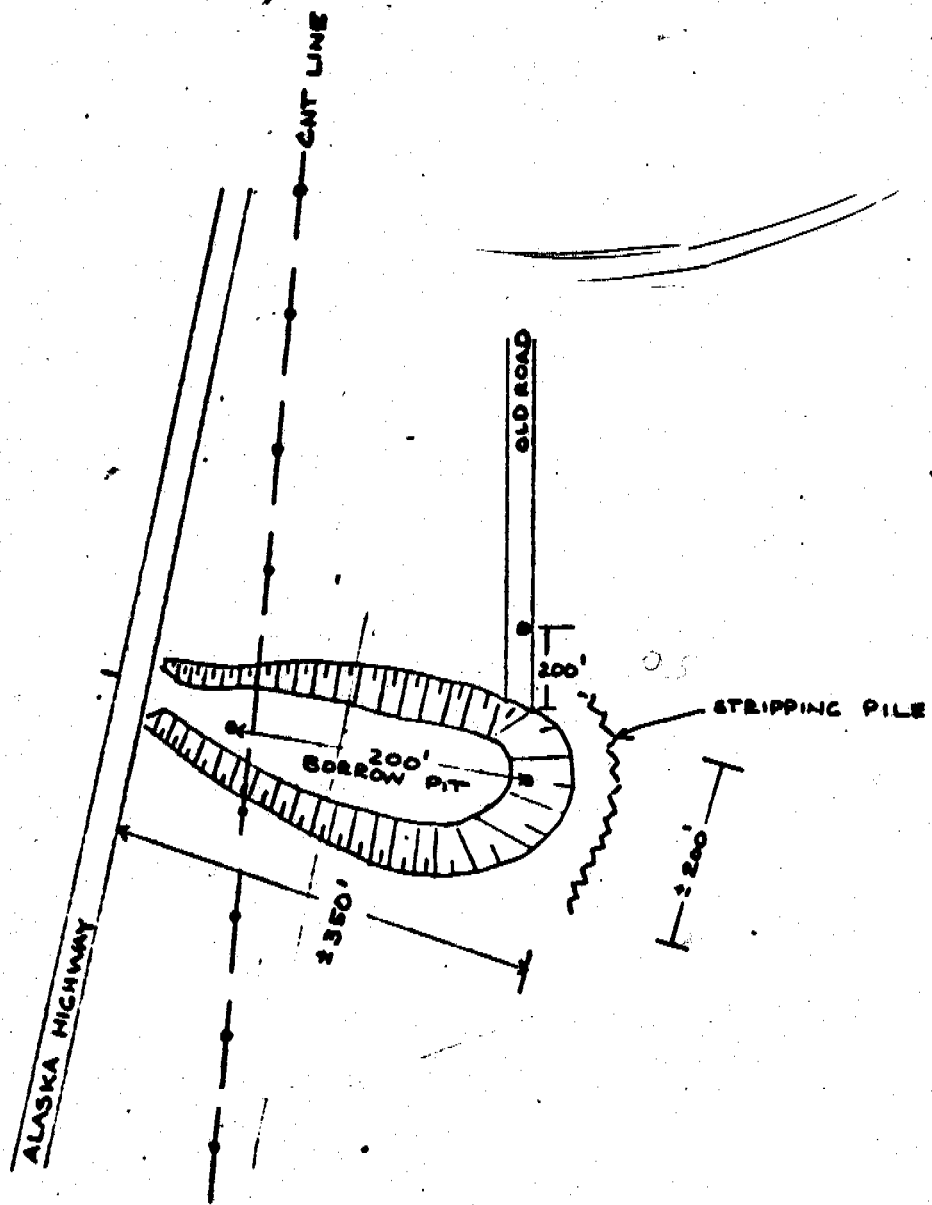
TEST SUMMARY	Augered ☐	Pitted ☒	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: <u>1969</u>	Sites Sampled: <u>3 Pits</u>		
	Depth	Max.	Min.	Average
	Overburden	<u>1/2'</u>	<u>0'</u>	
	Material	<u>14'</u>	<u>6 1/2'</u>	
	Quantity (CuYds) Estimated	Proven		
Remarks: <u> </u>				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <u> </u>	Crush Count: <u> </u>
Other Tests: <u> </u>		

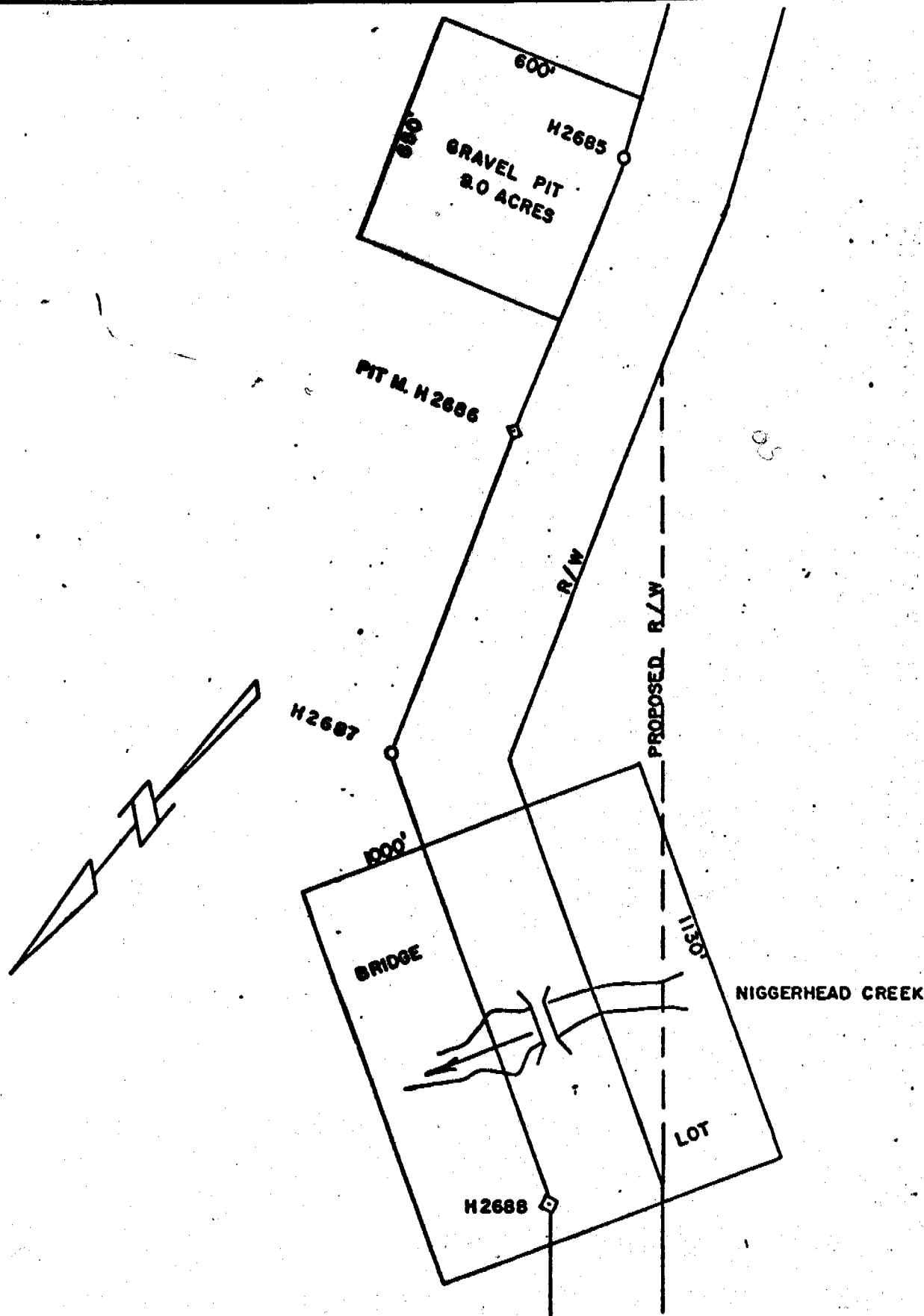
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
2	0'-14'	88	60	39	26	17	6	1		
3		80	65	46	32	21	6	1		

Potential Conflicts	Environmental: <u> </u>
	Land Use: <u> </u>

REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data DPW Legal File
------------	--



SITE NO 151
 BEAVER CREEK R.M.A.
 TEST AREA
 ALASKA HIGHWAY MP 1105.3
 NO SCALE
 • TEST HOLE



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE

scale:
échelle: 1" = 400'

ALASKA HIGHWAY
M.P. 1195.5

designed by
conçu par

01's

drawn by
dessiné par

MAY 1972

reviewed by
examiné par

approved by
approuvé par

project no.
no. du projet

dwg no.
dessin no

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 152

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1196.1

KP Highway Name: ALASKA

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat, Swampy area

Tree Cover: Light Spruce

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☒Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

Water 1 ft. below surface.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

No samples.

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highways Technical Data

• TEST HOLE

NO SCALE

ALASKA HIGHWAY MP 119.1 EHS

TEST SITE

BEAVER CREEK R.H.A

SITE NO 152

ALASKA HIGHWAY

MP 119.1



YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 153	
Location: MP 1196.6	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Swampy, Flat Area	Tree Cover: Light Spruce
	Material: Sand Clayey Silt	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: June/70		Sites Sampled: 1 Hole	
	Depth	Max.	Min.	Average
	Overburden		2'	
	Material	12'		
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:
Other Tests:		

Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No.40	No.200	LL	PI
1	4'-14'							> 75	28.5	3.6

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
------------	--

MP 1196.6

ALASKA HIGHWAY

SWAMPY
AREA

SITE NO 153

BEAVER CREEK R.M.A.

TEST SITE

ALASKA HIGHWAY MP 1196.6 R.H.S.

NO SCALE

• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 154	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
MP 1199.2	KP	Highway Name: Alaska	Access
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Light Spruce
	Material: Peat	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: June/70	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden	+10'		
	Material			
	Quantity (CuYds) Estimated	Proven		
Remarks: Frozen Peat - No sample.				

LAB. TEST RESULTS		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
------------	--



300'

MP 1199.2

ALASKA HIGHWAY

SITE NO 154
BEAVER CREEK R.M.A

TEST SITE
ALASKA HIGHWAY MP 1199.2 RHS
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

M.H. Area: Beaver Creek		Borrow or Test Site No: 155	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
HP 1199.4	KP	Highway Name: Alaska	Access
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu.Yds.
	Description:		Tree Cover:
	Material: Gravel and Silt		Deposit:
	Past Use:		Date:
	Performance Rating:		Amount Used:
	Remarks:		

TEST SUMMARY	Augered ☐ Pitted ☐ Trenched ☐ Not Indicated ☒											
	Lab. Test ☒ Sketch (Plan) ☐ Crushed: ☐											
	Date: Oct.59 Sites Sampled:											
	<table border="1" style="width:100%"> <tr> <td>Depth</td> <td>Max.</td> <td>Min.</td> <td>Average</td> </tr> <tr> <td>Overburden</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Material</td> <td></td> <td></td> <td></td> </tr> </table>	Depth	Max.	Min.	Average	Overburden				Material		
Depth	Max.	Min.	Average									
Overburden												
Material												
SUBSURFACE TEST RESULTS	Quantity (CuYds) Estimated Proven											
	Remarks:											

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr> <td></td> <td></td> <td>68</td> <td>59</td> <td>47</td> <td>37</td> <td>30</td> <td>15</td> <td>7</td> <td>--</td> <td>--</td> </tr> <tr> <td></td> <td></td> <td>--</td> <td>--</td> <td>100</td> <td>99</td> <td>97</td> <td>94</td> <td>68</td> <td>--</td> <td>--</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI			68	59	47	37	30	15	7	--	--			--	--	100	99	97	94	68	--	--																						
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									
		68	59	47	37	30	15	7	--	--																																																									
		--	--	100	99	97	94	68	--	--																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 156	
Location: MP 1200.8	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP ☐ Highway Name: Alaska		Access Good	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat - Gently Rolling	Tree Cover: Mod. Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
-------------------	---

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 157	
Location: MP 1202.2	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Heavy Spruce
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
-------------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 158

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1202.4

KP

Highway Name:

Alaska

Access

Good

Tenure:

Plan

Yes ☐

No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Heavy Spruce

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐

☐

Pitted ☐

☐

Trenched ☐

☐

Not Indicated ☐

Lab. Test ☐

☐

Sketch (Plan) ☐

☐

Crushed: ☐

☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 159	
Location: MP 1203.9	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Gravel Pit Reserve Plan Yes ☒ No ☐		Current Status: Active	

STOCKPILE SITE TYPE HISTORY	Date: May/77	Crush Amount: + 5000 Cu.Yds.
	Description: Steep Sidehill	Tree Cover: Mod. Spruce
	Material: Decomposed Rock	Deposit:
	Past Use: Borrow - Crush	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☒
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: May/66		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated		Proven	
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
RHS Pitrun		100	47	21	12	7	5	23.4	2.3	
LHS Crush Stockpile		100	75	46	28	8	2	23.2	6.1	

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
------------	---

DEPARTMENT OF PUBLIC WORKS
MINISTÈRE DES TRAVAUX PUBLICS



Drawing title: GRAVEL PIT
Titre du dessin: MILE 1204
ALASKA H NY

scale: 1" = 400'
échelle: 1" = 400'

date:

revisions:

designed by
conçu par

date

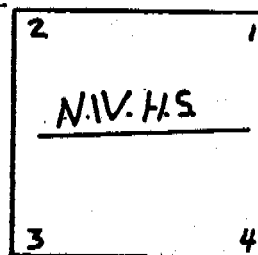
drawn by
dessiné par

reviewed by
examiné par

approved by
approuvé par

project no.
no. du projet

dwg. no.
dessin no.



H2720

1204
20/42/5
682.30

05'00"32"
1939.93

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 160

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1204.2

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Inactive

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Mod. Poplar

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐☐Pitted ☐☐Trenched ☐☐Not Indicated ☐Lab. Test ☐☐Sketch (Plan) ☐☐Crushed: ☐☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 161	
Location:	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
MP 1704.9	KP	Highway Name: Alaska	Access: Good
Tenure: Plan		Current Status: Inactive	
Yes ☐ No ☐			

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Heavy Spruce, Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 162	
Location: MP 1205.5	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Gravel Pit Reserve Appl. Plan Yes ☒ No ☐		Current Status: Inactive	

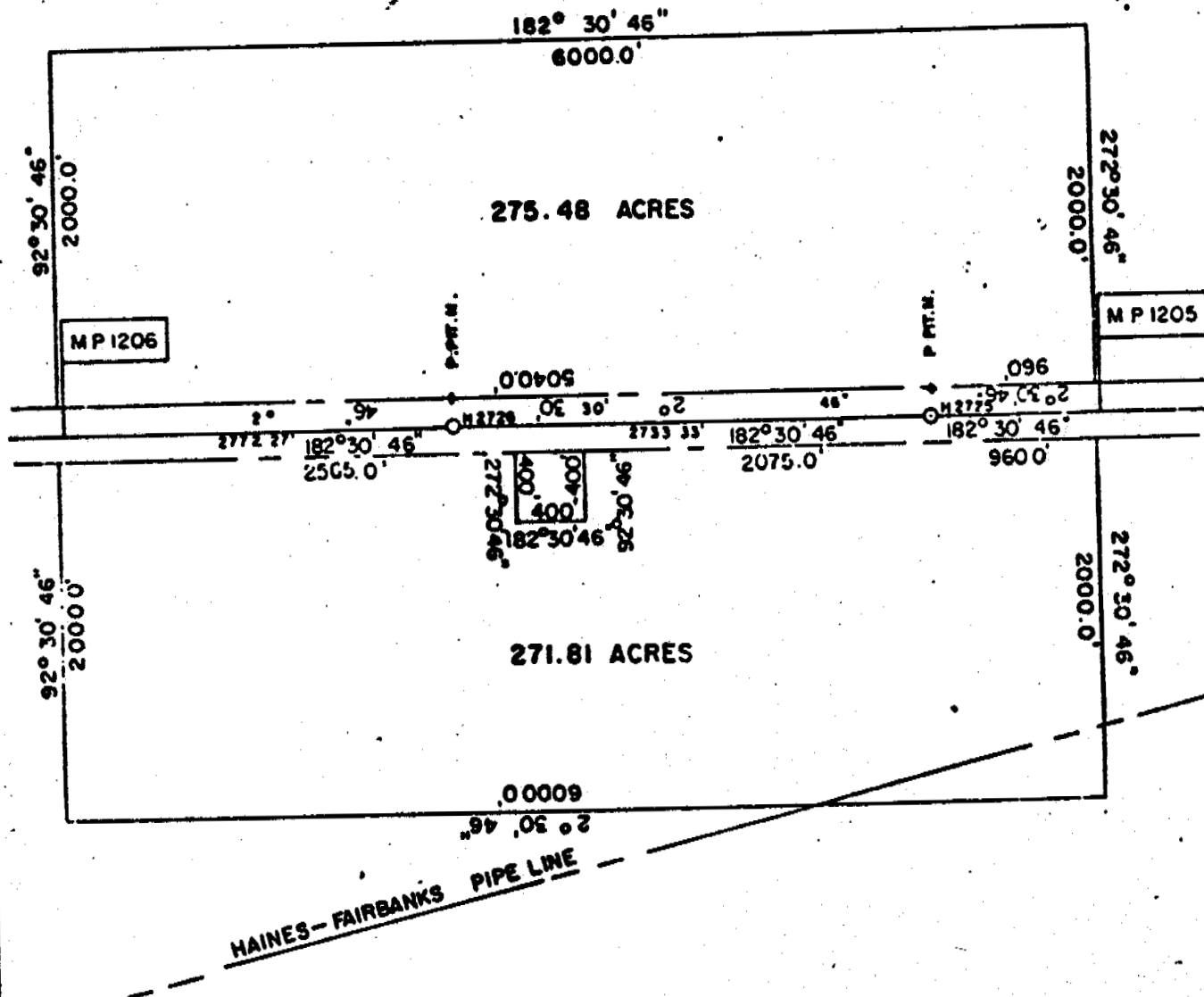
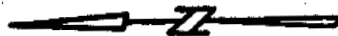
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Heavy Spruce, Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity: (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Legal File
------------	----------------



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title
Titre du dessin

GRAVEL PIT RESERVE
R & L.H.S.

scale 1" = 1000'

ALASKA HIGHWAY
M.P. 1205

Drawn by
Checked by

14/4/72

Project No.

Sheet No.

T.S. 12-72 22-14

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 163

Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1205.7 KP Highway Name: Alaska Access Good

Tenure: Gravel Pit Reserve Appl. Current Status: Active
 Plan Yes ☒ No ☐

STOCKPILE
SITE
TYPE

Date: May/77

Crush Amount: $\pm$ 3000 Cu.Yds.

Description: Flat

Tree Cover: Heavy Spruce, Poplar

Material: Gravel

Deposit:

HISTORY

Past Use: Borrow - Crusher Site

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐

Date: June/70

Sites Sampled: 1 Hole

SUBSURFACE
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	0'	0'	
Material	21'		

Quantity: (CuYds) Estimated Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pit		100	79	52	41	35	15	5	--	NP

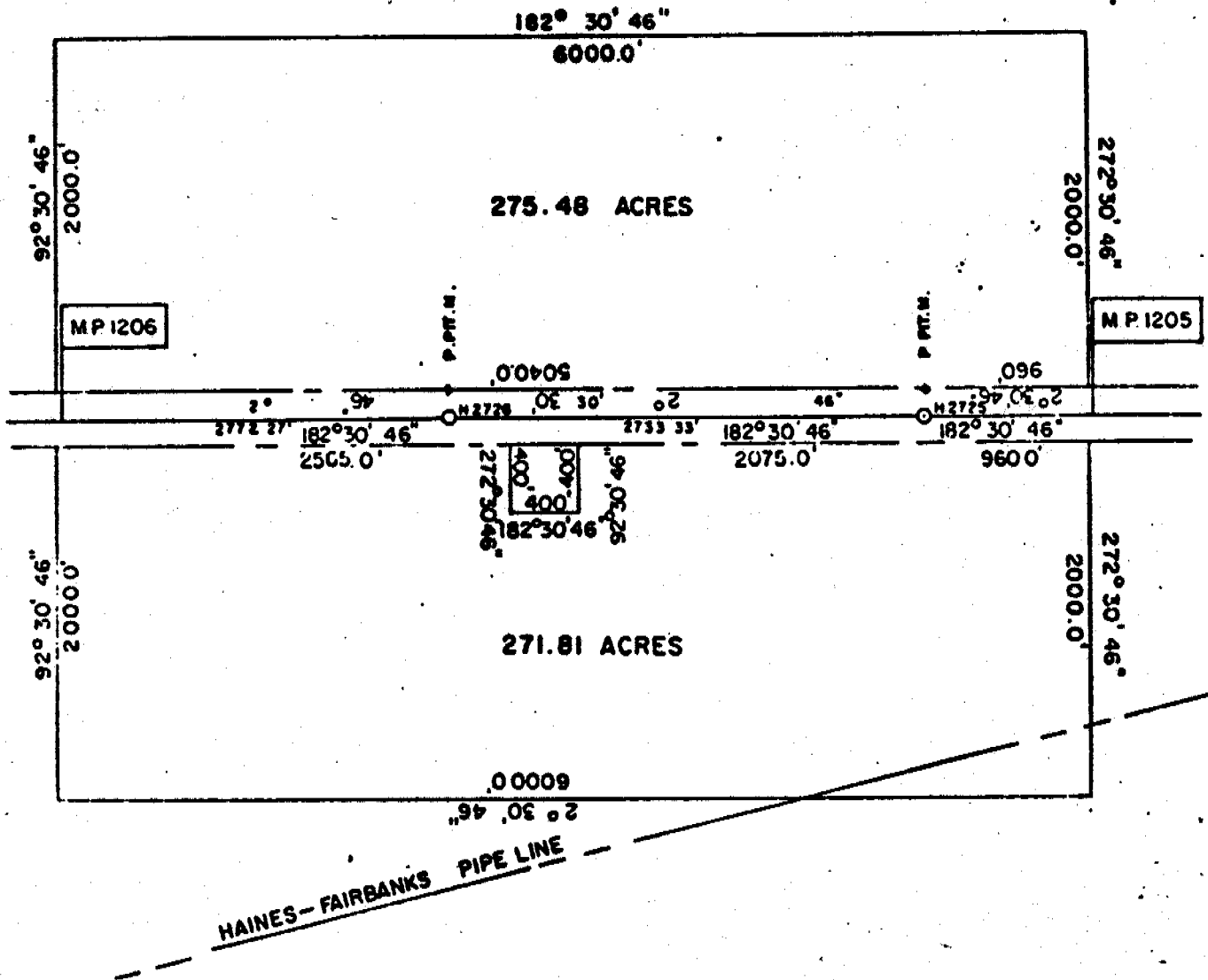
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

Materials Inventory
 Alaska Highway Technical Data
 DPW Legal File



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title
Titre du dessin

GRAVEL PIT RESERVE
scale 1" = 1000' R & L.H.S.
échelle 1" = 1000'

ALASKA HIGHWAY
M.P. 1205

Drawn by
Dessiné par

14/4/72

Checked by
Vérifié par

14/4/72

Approved by
Approuvé par

14/4/72

T.S. 72-70 22-34

MP1205.7

BORROW
PIT

10'-10"

ALASKA HIGHWAY

SITE NO 163

BEAVER CREEK R.M.A.

TEST SITE

ALASKA HIGHWAY MP1205.7 R.H.S

NO SCALE

• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 164

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1205.9

KP

Highway Name: Alaska

Access

Tenure: Gravel Pit Reserve Appl
Plan Yes ☒ No ☐

Current Status:

Inactive

STOCKPILE
SITE
TYPE
HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Mod. Spruce, Popla

Material: Gravel

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

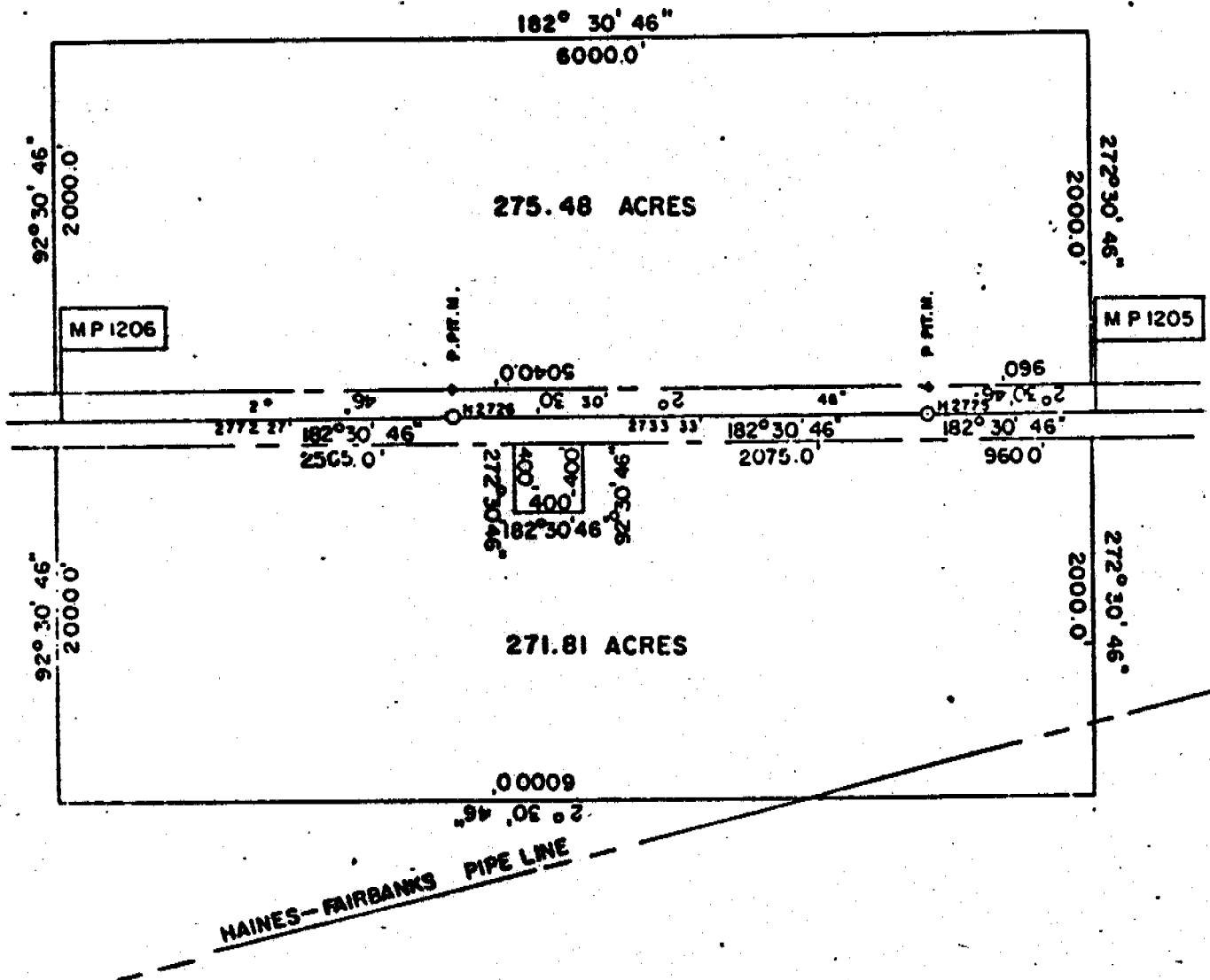
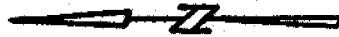
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Legal File



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title
Titre du dessin

GRAVEL PIT RESERVE
R & L.H.S.

Scale 1" = 1000'

ALASKA HIGHWAY
M.P. 1205

Drawn by
Checked by

14/4/72

Approved by
Date

12-70

22-11

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 165	
Location: Highway No: 1	Side R ☐ L ☒	Distance: Adjacent	
MP 1206.3	KP ☐ Highway Name: Alaska	Access ☐	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE	Date:	Amount:	Cu.Yds.
	Description: Flat	Tree Cover: Heavy Poplar, Spruce	
	Material: Gravel	Deposit:	
HISTORY	Past Use: Borrow	Date:	
	Performance Rating:	Amount Used:	
	Remarks:		

TEST SUMMARY	Augered	☐	Pitted	☐	Trenched	☐	Not Indicated	☐
	Lab. Test	☐	Sketch (Plan)	☐	Crushed:	☐		
SUBSURFACE TEST RESULTS	Date:		Sites Sampled:					
	Depth	Max.		Min.		Average		
	Overburden							
	Material							
	Quantity (CuYds) Estimated				Proven			
Remarks:								

[illegible]

Potential Conflicts	Environmental:
	Land Use:

REFERENCE :

YUKON GRAVEL INVENTORY

K.M. Area: Beaver Creek		Borrow or Test Site No: 166	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1206.5	KP ☐	Highway Name: Alaska	Access ☐
Tenure: Plan		Current Status:	
Yes ☐ No ☐			

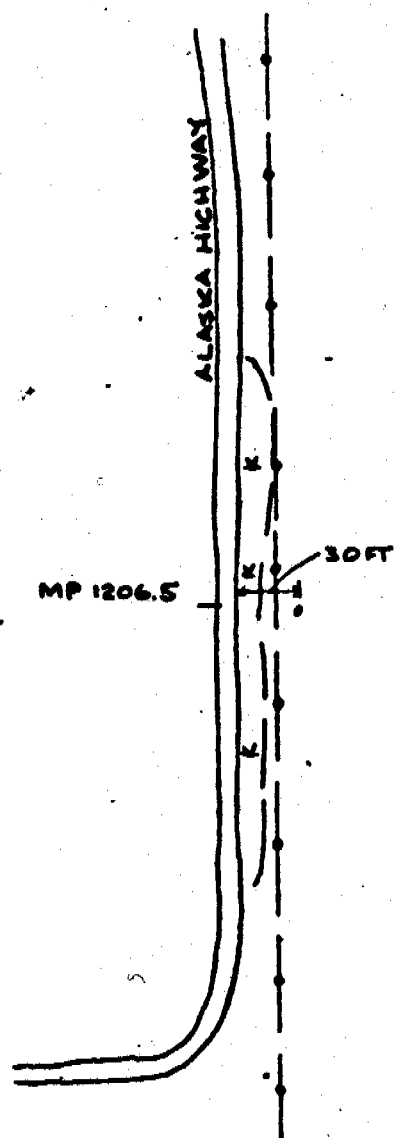
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Swampy	Tree Cover:
	Material:	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: Nov/70		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden		2'	
	Material	5'		
	Quantity: (CuYds) Estimated		Proven	
Remarks: Water at 1 ft., no samples.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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SITE NO 166
BEAVER CREEK R.M.A.
TEST SITE
ALASKA HIGHWAY MP1206.5 R.H.S.
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: <u>Beaver Creek</u>		Borrow or Test Site No: <u>167</u>	
Location: MP <u>1207.0</u>	Highway No: <u>1</u>	Side R ☒ L ☐	Distance: <u>Adjacent</u>
KP <u> </u>	Highway Name: <u>Alaska</u>	Access <u> </u>	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date: <u> </u>	Amount: <u> </u> Cu.Yds.
	Description: <u>Swampy</u>	Tree Cover: <u>Light Buckbrush</u>
	Material: <u>Glacial Till</u>	Deposit: <u> </u>
	Past Use: <u> </u>	Date: <u> </u>
	Performance Rating: <u> </u>	Amount Used: <u> </u>
	Remarks: <u> </u>	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☐	Crushed: ☐	
	Date: <u>June/70</u>		Sites Sampled: <u>1 Hole</u>	
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden		2'	
	Material	6'		
	Quantity: (CuYds) Estimated <u> </u> Proven <u> </u>			
Remarks: <u> </u>				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <u> </u>	Crush Count: <u> </u>																																																																									
Other Tests: <u> </u>																																																																											
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr> <td>1</td> <td>2'-8'</td> <td></td> <td>99</td> <td>90</td> <td>70</td> <td>55</td> <td>36</td> <td>18</td> <td>19.2</td> <td>3.0</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>											Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	1	2'-8'		99	90	70	55	36	18	19.2	3.0																																	
Grain Size Analysis		% Passing Sieve Size																																																																									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																																	
1	2'-8'		99	90	70	55	36	18	19.2	3.0																																																																	

Potential Conflicts	Environmental: <u> </u>
	Land Use: <u> </u>

REFERENCE:	<u>DPW Materials Inventory; Alaska Highway Technical Data</u>
-------------------	---

MP 1207.0

ALASKA HIGHWAY

CNT LINE

100 FT

SITE NO 167
BEAVER CREEK R.M.A

TEST SITE
ALASKA HIGHWAY MP 1207.0 RHS.
NO SCALE
• TEST HOLE.

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 168

 Location: Highway No: 1 Side R ☒ L ☐ Distance: Adjacent
 MP 1207.3 KP Highway Name: Alaska Access

 Tenure: Plan Yes ☐ No ☐ Current Status: Inactive

STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu.Yds.
	Description: Flat	Tree Cover: Mod. Poplar	
	Material: Gravel	Deposit:	
	Past Use: Borrow	Date:	
	Performance Rating:	Amount Used:	
Remarks:			

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	Z Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
------------	--

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek		Borrow or Test Site No: 169	
Location:	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
MP 1207.4	KP	Highway Name: Alaska	Access
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Mod. Poplar
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
SUBSURFACE TEST RESULTS	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 170

Location:

Highway No: 1

Side

R

L

Distance:

Adjacent

MP 1208.2

KP

Highway Name:

Alaska

Access

Tenure:

Plan

Yes

No

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material: Fine Sandy Clayey Silt

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered

☒

Pitted

☐

Trenched

☐

Not Indicated

☐

Lab. Test

☒

Sketch (Plan)

☒

Crushed:

☐

Date: June/70

Sites Sampled:

1 Hole

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

3'

Material

13'

Quantity (CuYds) Estimated

Proven

Remarks:

Permafrost 0-3'

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

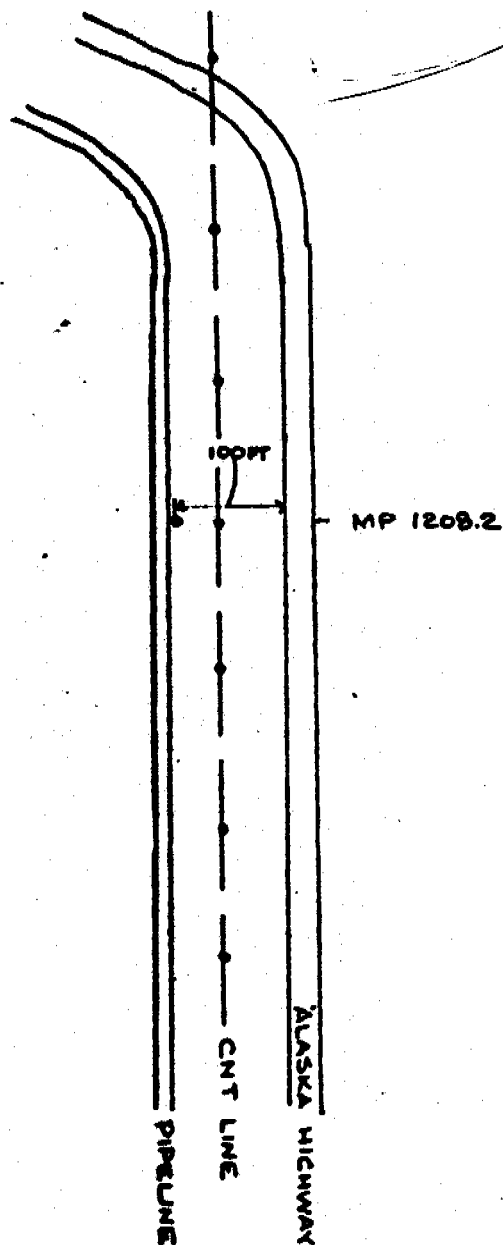
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO 170
BEAVER CREEK R.M.A.

TEST SITE

ALASKA HIGHWAY MP 1208.2 LHS

NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 171

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1209.2

KP Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Flat

Tree Cover: Mod. Spruce

Material:

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☒Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☒Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

2'

Material

10'

Quantity: (CuYds) Estimated

Proven

Remarks:

Permafrost below surface. Hole bottomed 12'-15' in peat.

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

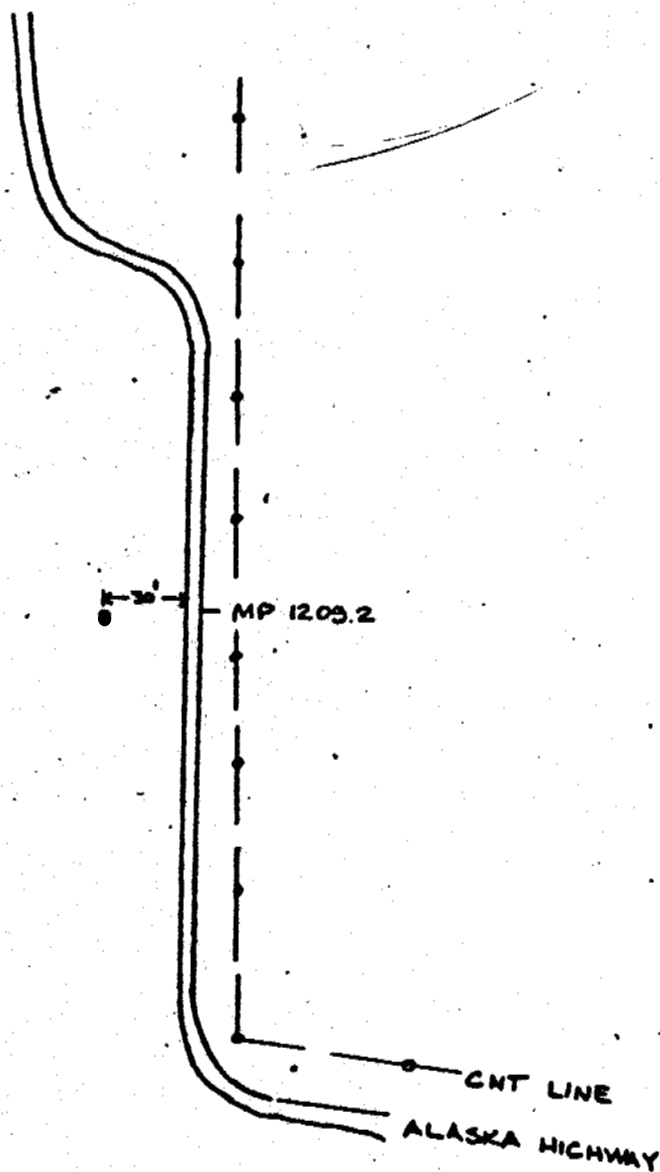
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO. 171
BEAVER CREEK R.M.A.

TEST SITE

ALASKA HIGHWAY MP 1209.2

NO SCALE

• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 172

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

MP 1209.9

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes ☐No ☐

Current Status:

Active

STOCKPILE
SITE
TYPE
HISTORY

Date:

Amount:

Cu.Yds.

Description: Steep Sidehill

Tree Cover: Heavy Spruce

Material: Decomposed Rock and Rock

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 173	
Location: MP 1210.2	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Active	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Sreep Sidehill	Tree Cover: Heavy Spruce
	Material: Decomposed Rock and Rock	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY SUBSURFACE TEST RESULTS	Augered ☐	Fitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity: (CuYds) Estimated		Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
	Other Tests:									
Grain Size Analysis		Z Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
-------------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 174	
Location: MP 1211.3	Highway No: 1	Side R ☐ L ☒	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status:	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Swampy	Tree Cover: Mod. Spruce, Poplar
	Material: Clay	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

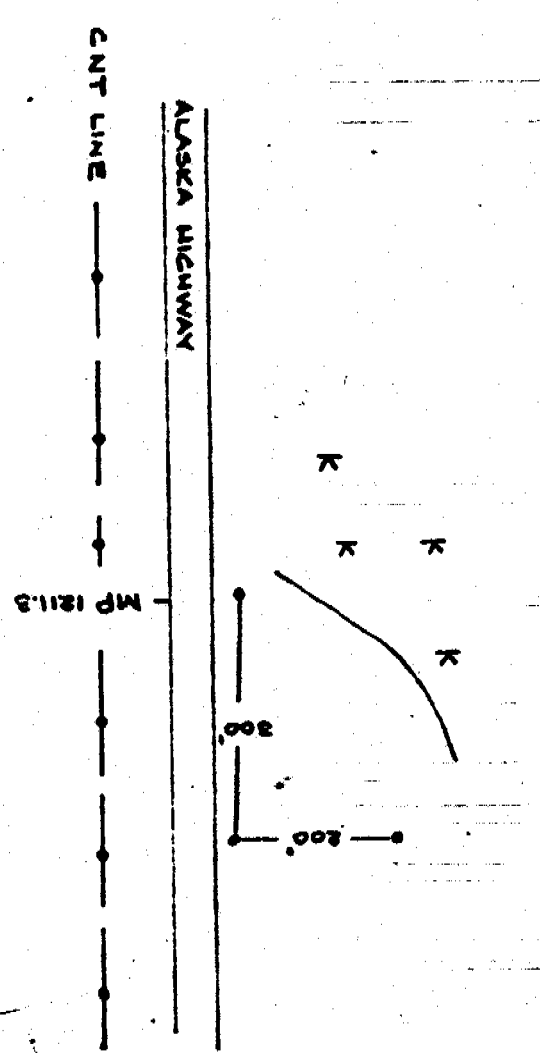
TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: June/70		Sites Sampled:	
	Depth	Max.	Min.	Average
	Overburden		2'	
	Material	+10'		
	Quantity (CuYds) Estimated		Proven	
Remarks: Permafrost below surface.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																	
Other Tests:																																																																			
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr> <td>1</td> <td>2'-12'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>> 75</td> <td>34.7</td> <td>7.4</td> </tr> <tr> <td>2</td> <td>2'-12'</td> <td></td> <td></td> <td></td> <td>100</td> <td>100</td> <td>99</td> <td>73</td> <td>--</td> <td>0</td> </tr> <tr> <td>3</td> <td>2'-10'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>> 75</td> <td>50.8</td> <td>9.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	1	2'-12'							> 75	34.7	7.4	2	2'-12'				100	100	99	73	--	0	3	2'-10'							> 75	50.8	9.8											
Grain Size Analysis		% Passing Sieve Size																																																																	
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																									
1	2'-12'							> 75	34.7	7.4																																																									
2	2'-12'				100	100	99	73	--	0																																																									
3	2'-10'							> 75	50.8	9.8																																																									

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	Materials Inventory; Alaska Highway Technical Data
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SITE NO 174
 BEAVER CREEK R.M.A.
 TEST SITE
 ALASKA HIGHWAY MP 1211.3 LHS
 NO SCALE
 • TEST HOLE



YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 175

Location:

Highway No: 1

Side

R ☐ L ☐

Distance: Adjacent

MP 1211.5

KP

Highway Name:

Alaska

Access

Tenure: Gravel Pit Reserve Appl.

Current Status:

Inactive

Plan

Yes

☒

No

☐

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Steep Sidehill

Tree Cover: Thick Spruce

Material: Sand and Boulders

Deposit:

Past Use:

Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered

☐

Pitted

☐

Trenched

☐

Not Indicated

☐

Lab. Test

☐

Sketch (Plan)

☐

Crushed:

☐

Date:

Sites Sampled:

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

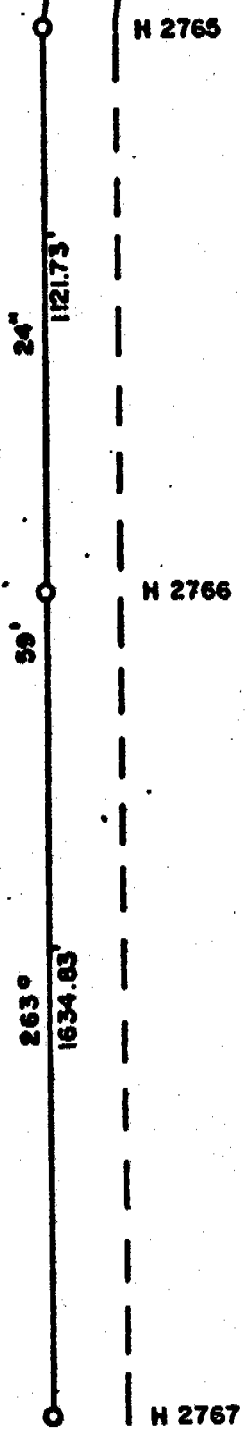
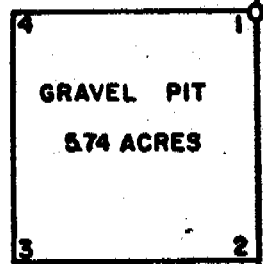
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Legal File
Federal Lands Office



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:
GRAVEL PIT RESERVE
scale:
échelle: 1" = 400'
ALASKA HIGHWAY
M.P. 1211.5

designed by: conçu par:	date MAY 1972
drawn by: dessiné par:	
reviewed by: examiné par:	
approved by: approuvé par:	
project no. no. du projet:	desig. no. dessin no.

LEGAL DESCRIPTION

GRAVEL PIT MILE 1211.5 plus

From post #1 situated at Legal Survey Monument H-2765 on a true bearing of 353 degrees 59 minutes for 500 feet to post #2; thence on a true bearing of 263 degrees 59 minutes for 500 feet to post #3; thence on a true bearing of 173 degrees 59 minutes for 500 feet to post #4; thence on a true bearing of 83 degrees 59 minutes for 500 feet to post #1; point of commencement.

NOTE:

Lines cut and surveyed

June 1954.

YUKON GRAVEL INVENTORY

R.M. Area: <u>Beaver Creek</u>		Borrow or Test Site No: <u>176</u>	
Location: <u>MP 1211.9</u>	Highway No: <u>1</u>	Side <u>R</u> ☐ <u>L</u> ☐	Distance: <u>Adjacent</u>
KP <u> </u> Highway Name: <u>Alaska</u>		Access <u> </u>	
Tenure: Plan <u> </u> Yes ☐ No ☐		Current Status: <u>Active</u>	

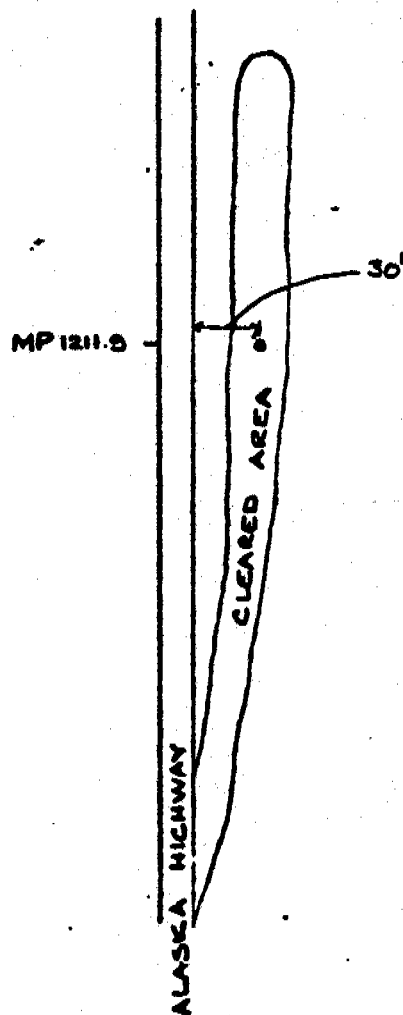
STOCKPILE SITE TYPE HISTORY	Date: <u> </u>	Amount: <u> </u> Cu.Yds.
	Description: <u>Steep Slope</u>	Tree Cover: <u>Light Spruce</u>
	Material: <u>Silt, Decomposed Rock, Rock</u>	Deposit: <u> </u>
	Past Use: <u>Borrow</u>	Date: <u> </u>
	Performance Rating: <u> </u>	Amount Used: <u> </u>
	Remarks: <u> </u>	

TEST SUMMARY SUBSURFACE TEST RESULTS	Augered ☒ Pitted ☐ Trenched ☐ Not Indicated ☐												
	Lab. Test ☒ Sketch (Plan) ☒ Crushed: ☐												
	Date: <u>June/70</u> Sites Sampled: <u>1 Hole</u>												
	<table border="1" style="width:100%"> <tr> <th>Depth</th> <th>Max.</th> <th>Min.</th> <th>Average</th> </tr> <tr> <td>Overburden</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Material</td> <td></td> <td></td> <td></td> </tr> </table>	Depth	Max.	Min.	Average	Overburden				Material			
	Depth	Max.	Min.	Average									
	Overburden												
Material													
Quantity: (CuYds) Estimated <u> </u> Proven <u> </u>													
Remarks: <u> </u>													

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <u> </u>	Crush Count: <u> </u>																																																																																				
	Other Tests: <u> </u>																																																																																					
<table border="1" style="width:100%"> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="8">% Passing Sieve Size</th> </tr> <tr> <th>Hole No.</th> <th>Depth</th> <th>1-1/2"</th> <th>3/4"</th> <th>3/8"</th> <th>No. 4</th> <th>No. 10</th> <th>No. 40</th> <th>No. 200</th> <th>LL</th> <th>PI</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><u>> 75</u></td> <td><u>24.1</u></td> <td><u>1.0</u></td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>											Grain Size Analysis		% Passing Sieve Size								Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI									<u>> 75</u>	<u>24.1</u>	<u>1.0</u>																																												
Grain Size Analysis		% Passing Sieve Size																																																																																				
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI																																																																												
								<u>> 75</u>	<u>24.1</u>	<u>1.0</u>																																																																												

Potential Conflicts	Environmental: <u> </u>
	Land Use: <u> </u>

REFERENCE:	<u>DPW Materials Inventory; Alaska Highway Technical Data</u>
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SITE NO 176
BEAVER CREEK RMA.

TEST SITE
ALASKA HIGHWAY MP 1211.5 RMS
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.H. Area: Beaver Creek

Borrow or Test Site No: 177

Location:

MP 1213.2

Highway No: 1

KP

Highway Name:

Alaska

Side

R

L

Distance: Adjacent

Access

Tenure:

Plan

Yes

No

Current Status:

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description:

Tree Cover:

Material:

Glacial Till

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered

☒

Pitted

☐

Trenched

☐

Not Indicated

☐

Lab. Test

☒

Sketch (Plan)

☐

Crushed:

☐

Date: June/70

Sites Sampled:

1 Hole

SUBSURFACE
TEST RESULTS

Depth

Max.

Min.

Average

Overburden

2'

2'

Material

13'

Quantity (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

1

2'-15'

91

63

50

44

39

33

--

00

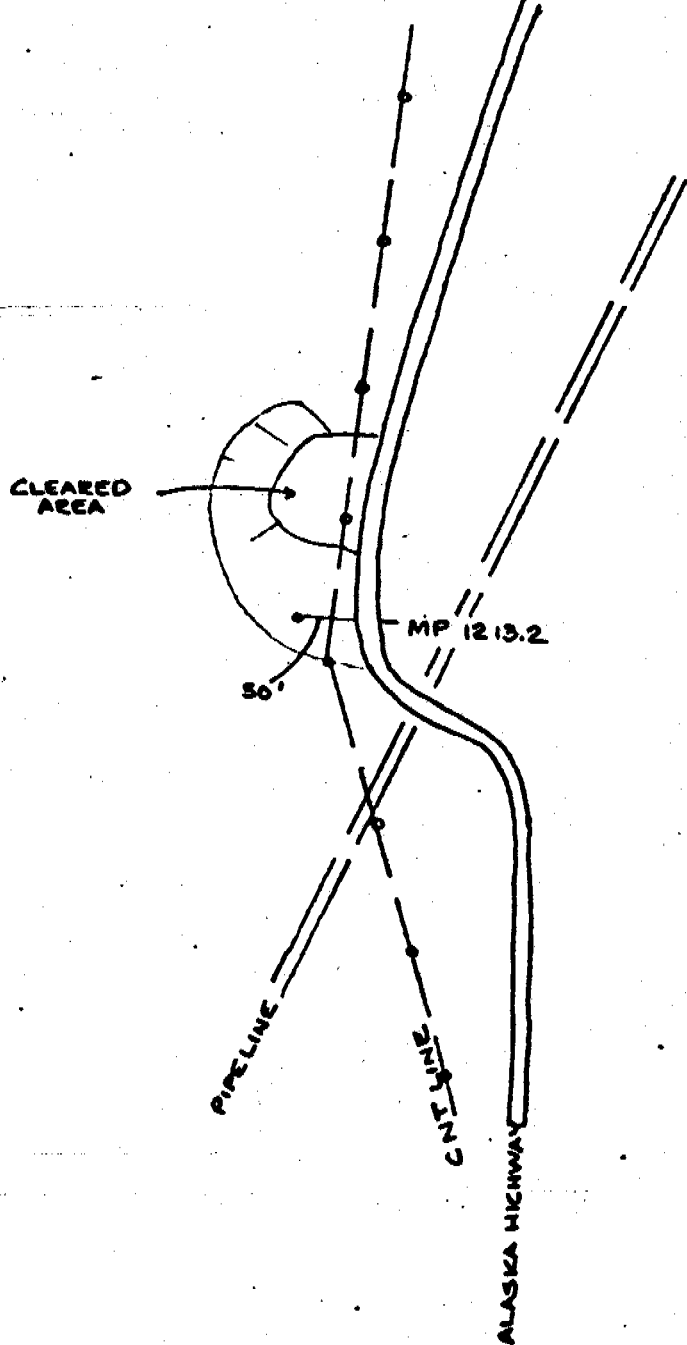
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data



SITE NO 177
BEAVER CREEK R.M.A.

TEST SITE
ALASKA HIGHWAY MP1213.2 LHS

NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 178	
Location: MP 1213.3	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP	Highway Name: Alaska	Access	
Tenure: Plan Yes ☐ No ☐		Current Status: Inactive	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Moderate Slope	Tree Cover: Light Poplar
	Material: Decomposed Bedrock	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
SUBSURFACE TEST RESULTS	Material			
	Quantity (CuYds) Estimated		Proven	
	Remarks:			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	
------------	--

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 179	
Location: MP 1215.5	Highway No: 1	Side R ☒ L ☐	Distance: Adjacent
KP ☐ Highway Name: Alaska		Access ☐	
Tenure: Plan Yes ☐ No ☐		Current Status:	

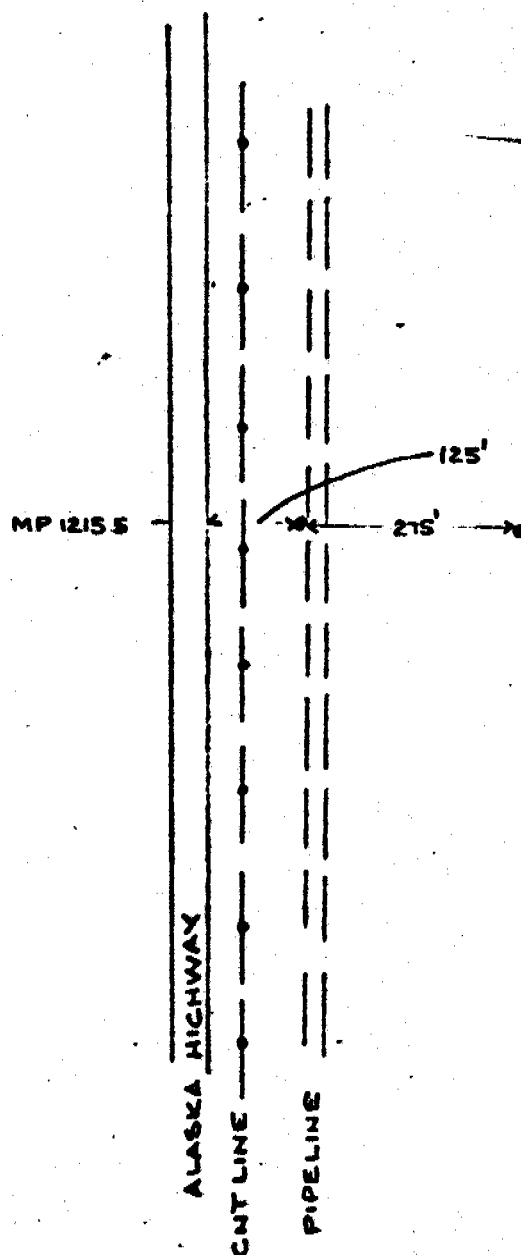
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Shale	Deposit:
	Past Use:	Date:
	Performance Rating:	Amount Used:
	Remarks:	

TEST SUMMARY	Augered ☒	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☒	Sketch (Plan) ☒	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date: June/70		Sites Sampled: 2 Holes	
	Depth	Max.	Min.	Average
	Overburden	3'	0'	
	Material	15'	7'	
	Quantity (CuYds) Estimated		Proven	
	Remarks: Decomposed Shale			

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
1	0'-15'		100	91	80	63	36	23	--	0.0
2	3'-10'		100	94	74	49	30	21	23.2	3.9

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
-------------------	--



SITE NO. 179.
BEAVER CREEK R.M.A.

461

TEST SITE
ALASKA HIGHWAY MP 1215.5 RWS
NO SCALE
• TEST HOLE

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 180

Location:

Highway No: 1

Side R ☐ L ☒

Distance: Adjacent

MP 1215.7

KP

Highway Name: Alaska

Access

Good

Tenure: Gravel Pit Reserve Appl.

Current Status:

Active

Plan

Yes

☒

No

☐

STOCKPILE

SITE

TYPE

HISTORY

Date: May/77

Crush Amount: + 7500 Cu.Yds.

Description: Moderate Slope

Tree Cover: Mod. Spruce, Poplar

Material: Shale, Phyllite

Deposit:

Past Use: Surfacing MP 1204-1221.6

Date: 1971

Performance Rating: Fair

Amount Used:

Remarks:

TEST SUMMARY

Augered

☒

Pitted

☐

Trenched

☐

Not Indicated

☐

Lab. Test

☒

Sketch (Plan)

☐

Crushed:

☐

Date:

Sites Sampled:

48 Holes

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Lab Pitrun-Av. 25 holes

90

96

92

82

64

35

24

22

5

Crush Contract 1971

(4 holes, 5 samples)

99

69

46

29

15

9

26.7

4.7

Sand-Silt Av. 7 Holes

99

95

90

75

51

40

25

5

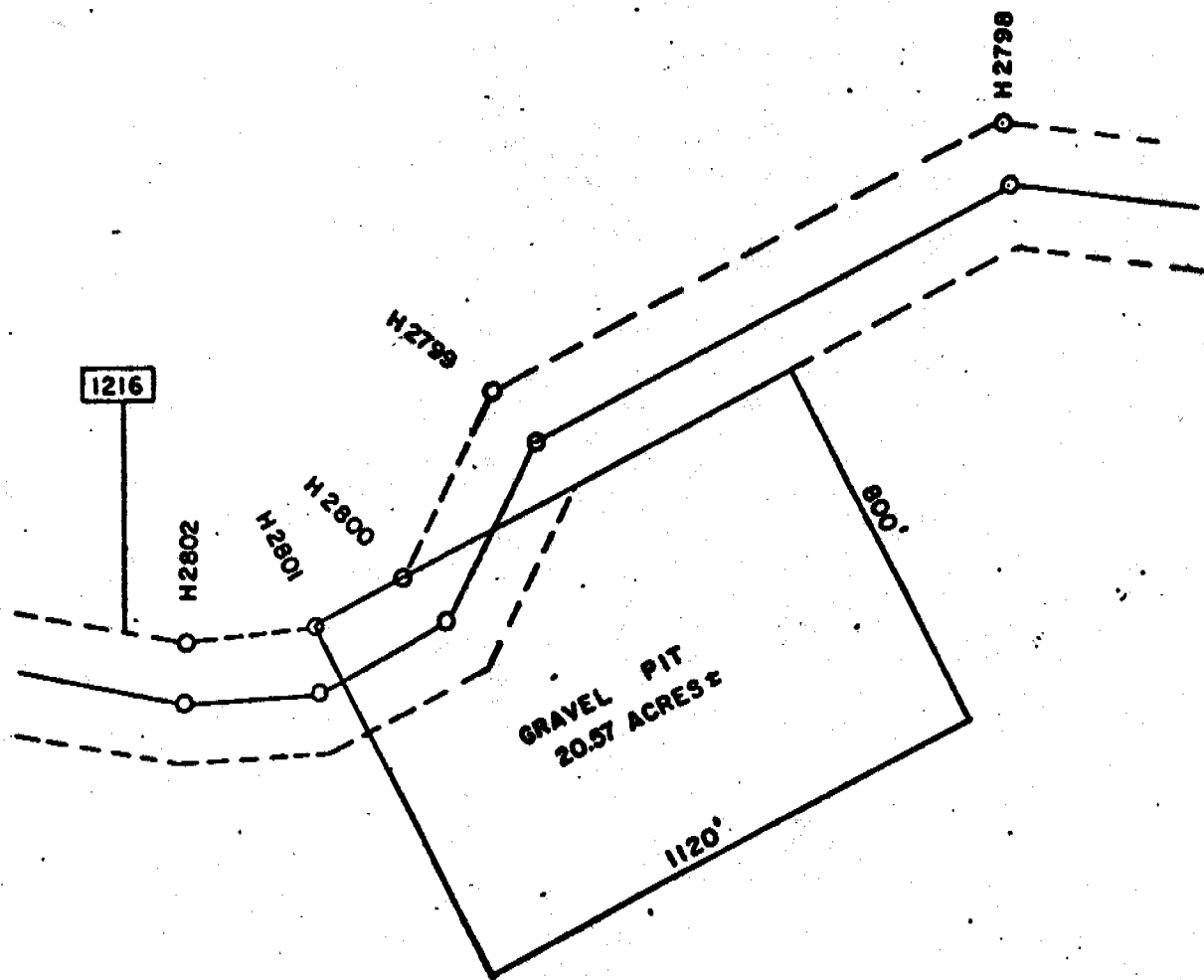
Potential
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data;
DPW Legal File; Federal Lands Office



DEPARTMENT OF PUBLIC WORKS
CONSTRUCTION & ENGINEERING
PACIFIC REGION
WHITEHORSE DISTRICT

Drawing title:
Titre du dessin:

GRAVEL PIT RESERVE

scale: 1" = 400'
échelle:

ALASKA HIGHWAY
M.P. 1216

designed by
conçu par

drawn by
dessiné par: MAY

reviewed by
examiné par

approved by
approuvé par

project no.
no. du projet

date
dessiné

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek

Borrow or Test Site No: 181

Location:

Highway No: 1

Side R ☒ L ☐

Distance: Adjacent

AP 1218.7

KP

Highway Name:

Alaska

Access

Good

Tenure:

Plan

Yes ☐No ☐

Current Status:

Active

STOCKPILE

SITE

TYPE

HISTORY

Date:

Amount:

Cu.Yds.

Description: Steep Sidehill

Tree Cover: Heavy Spruce

Material: Bedrock

Deposit:

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered ☐Pitted ☐Trenched ☐Not Indicated ☐Lab. Test ☐Sketch (Plan) ☐Crushed: ☐

Date:

Sites Sampled:

SUBSURFACE

TEST RESULTS

Depth

Max.

Min.

Average

Overburden

Material

Quantity: (CuYds) Estimated

Proven

Remarks:

LAB. TEST RESULTS

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests:

Grain Size Analysis

% Passing Sieve Size

Hole No.

Depth

1-1/2"

3/4"

3/8"

No. 4

No. 10

No. 40

No. 200

LL

PI

Potential

Environmental:

Conflicts

Land Use:

REFERENCE:

YUKON GRAVEL INVENTORY

R.M. Area: Beaver Creek		Borrow or Test Site No: 182	
Location: MP 1220.0	Highway No: 1	Side R ☐ L ☐	Distance: Adjacent
KP Highway Name: Alaska		Access	
Tenure: Gravel Pit Reserve Plan		Current Status: Active	
Yes ☒ No ☐			

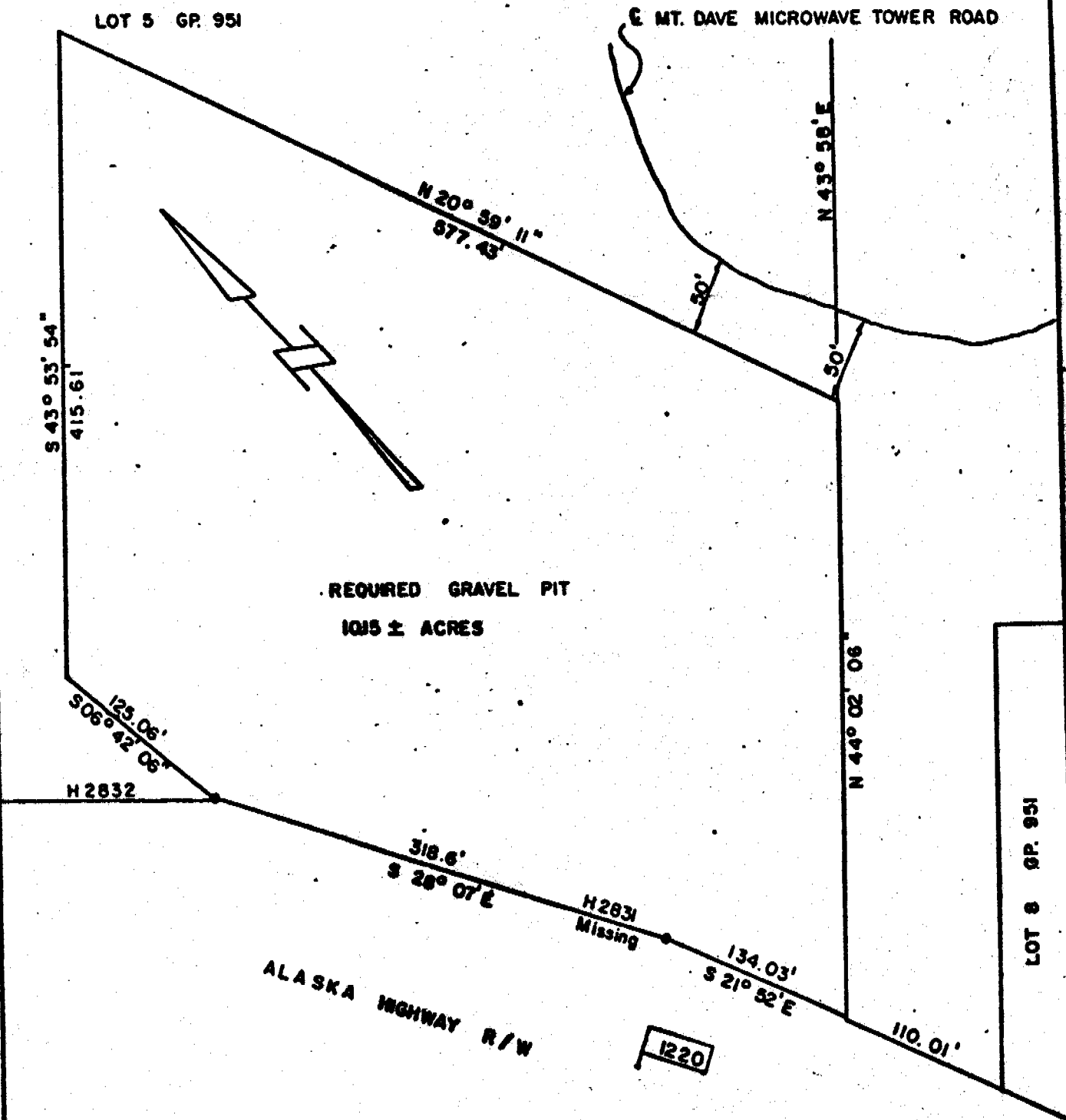
STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Mod.-Steep Sidehill	Tree Cover: Thick Spruce, Popl.
	Material: Bedrock	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered ☐	Pitted ☐	Trenched ☐	Not Indicated ☐
	Lab. Test ☐	Sketch (Plan) ☐	Crushed: ☐	
SUBSURFACE TEST RESULTS	Date:	Sites Sampled:		
	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity (CuYds) Estimated	Proven		
Remarks:				

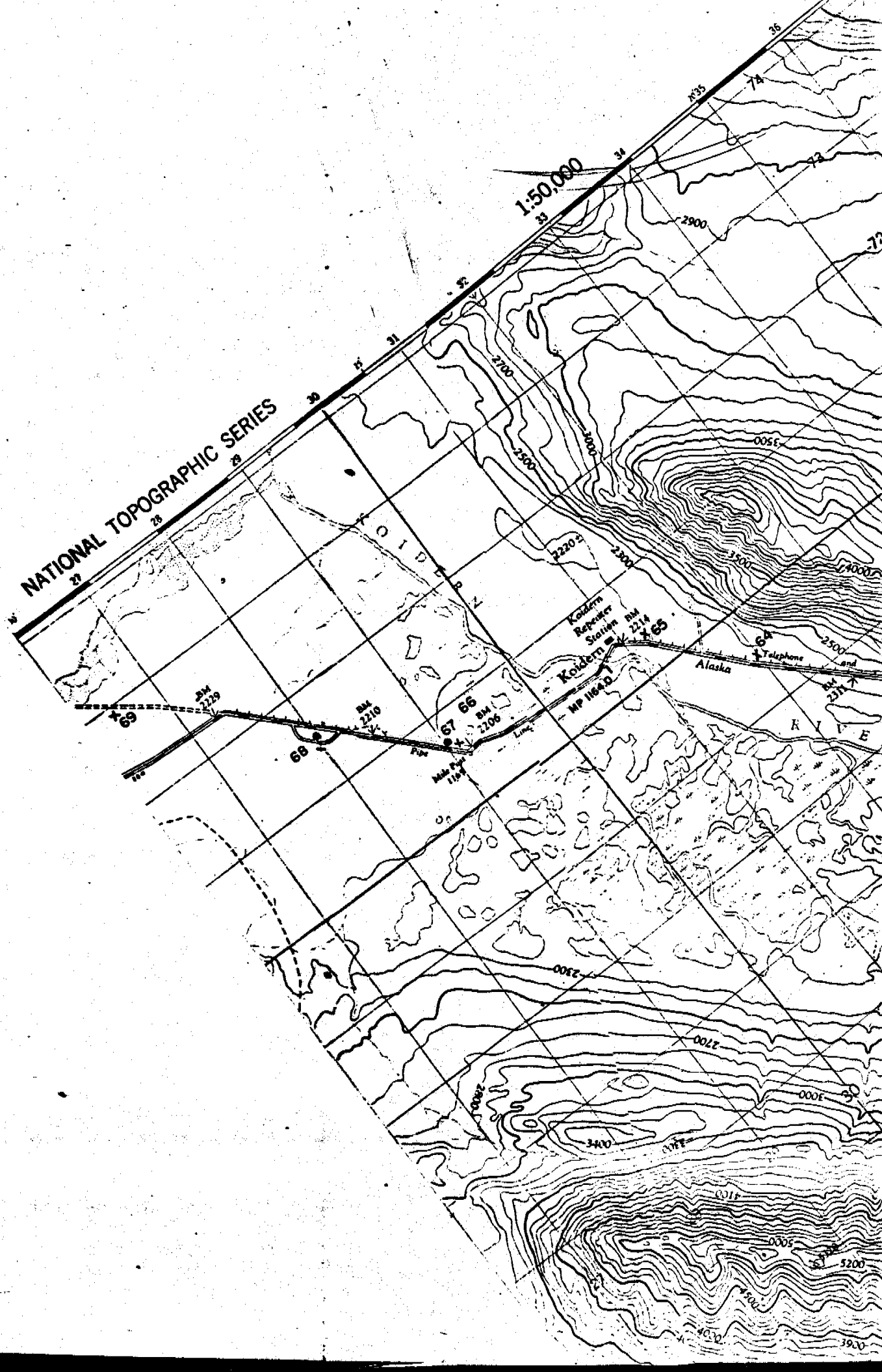
LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis	% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI

Potential Conflicts	Environmental:
	Land Use:

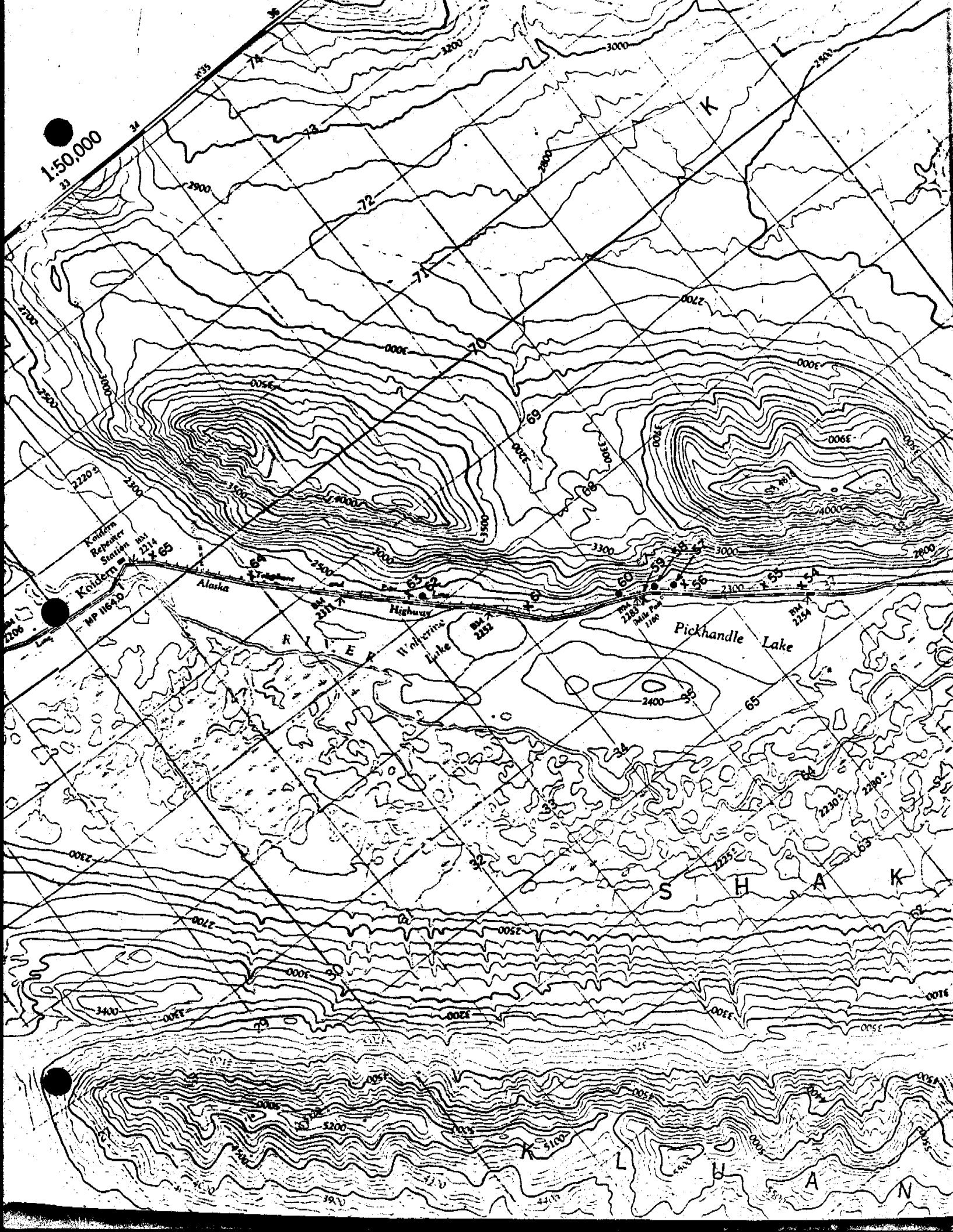
REFERENCE:	DPW Legal File Federal Lands Office
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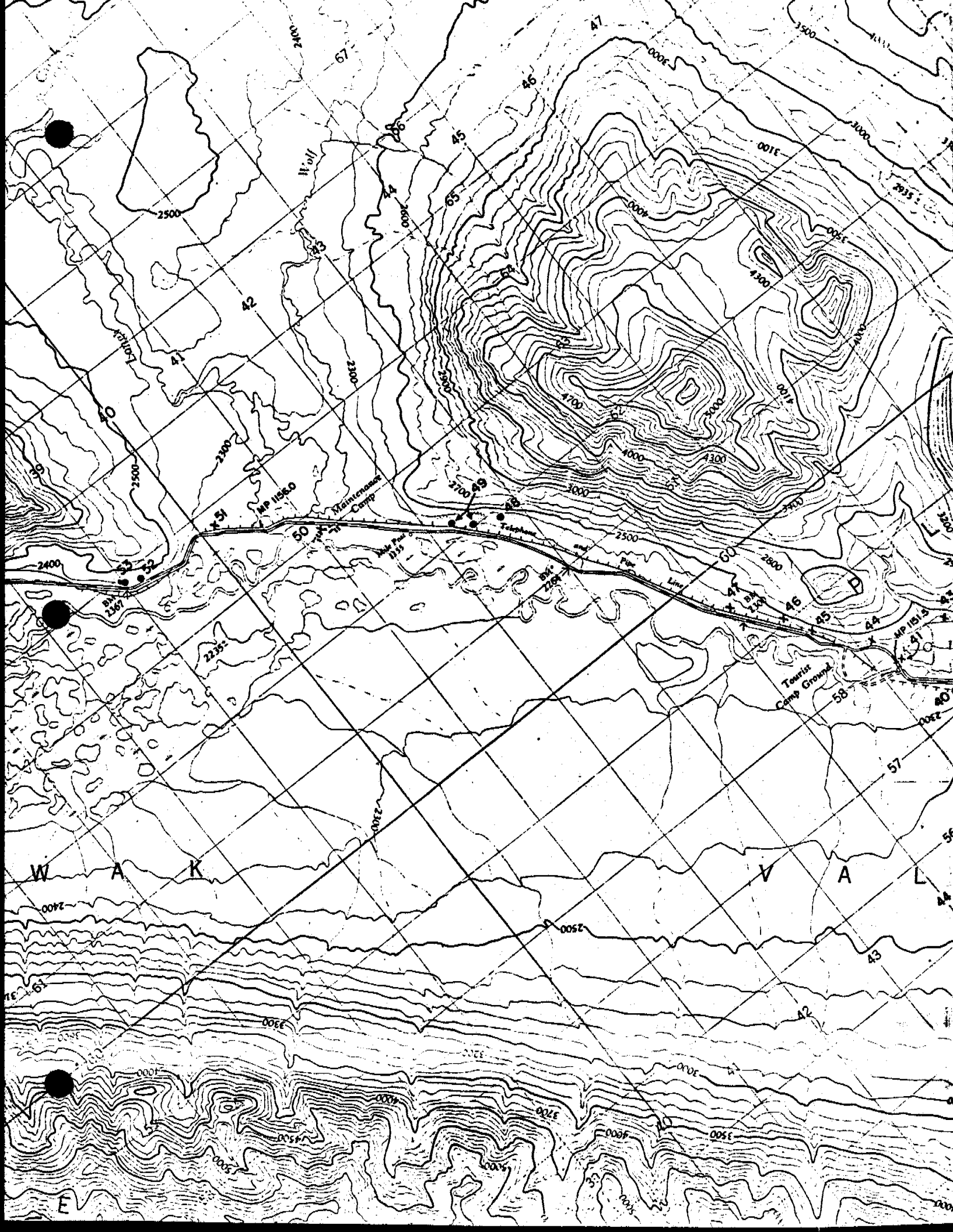


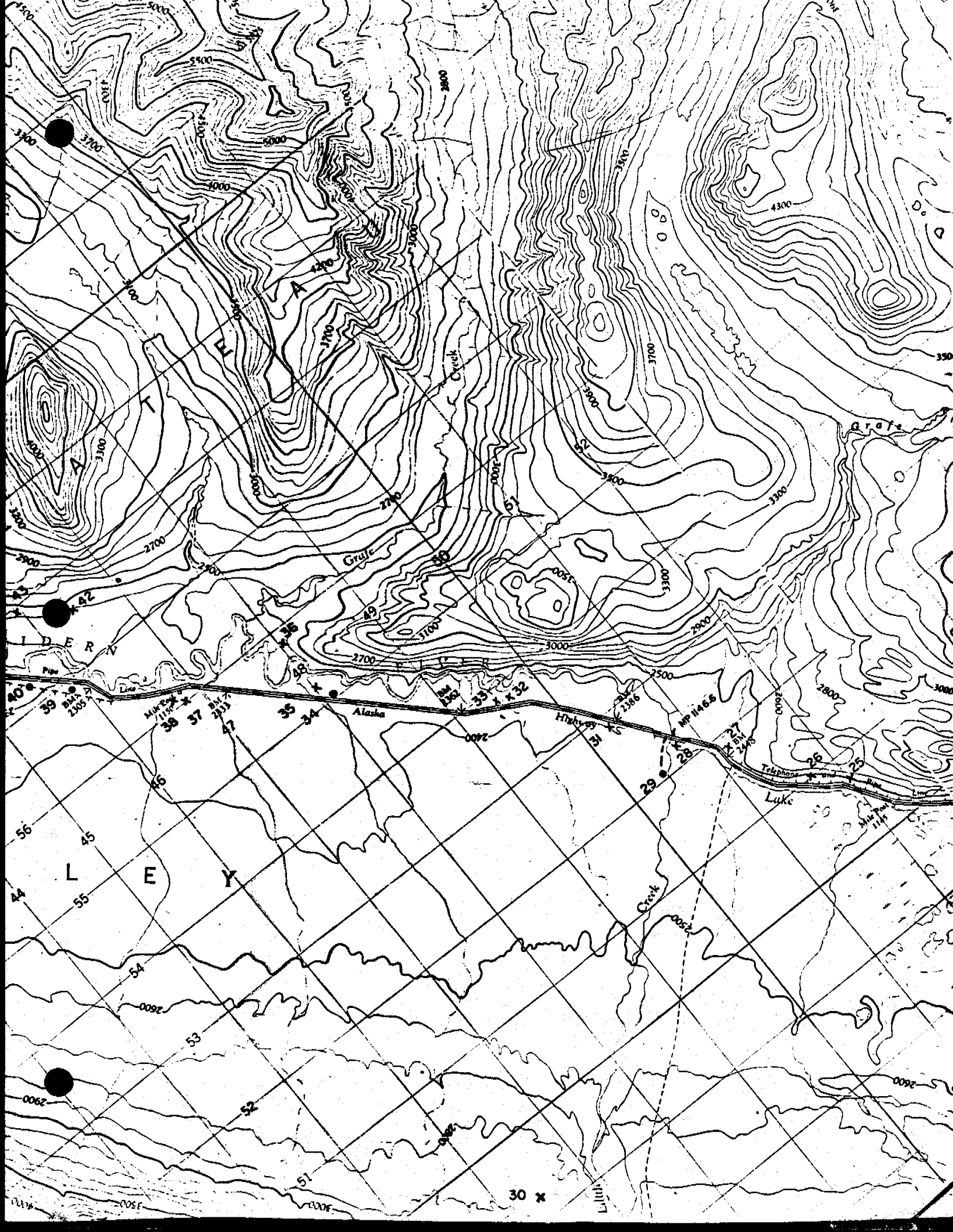
 DEPARTMENT OF PUBLIC WORKS CONSTRUCTION & ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT	Drawing title: Titre du dessin: GRAVEL PIT RESERVE		designed by: conçu par:		date MAY 1972
	scale: échelle: 1" = 100'		drawn by: dessiné par:		
			reviewed by: examiné par:		
			approved by: approuvé par:		
		project no. no. du projet:		dwg no. dessin no.	
		ALASKA HIGHWAY M.P. 1220			

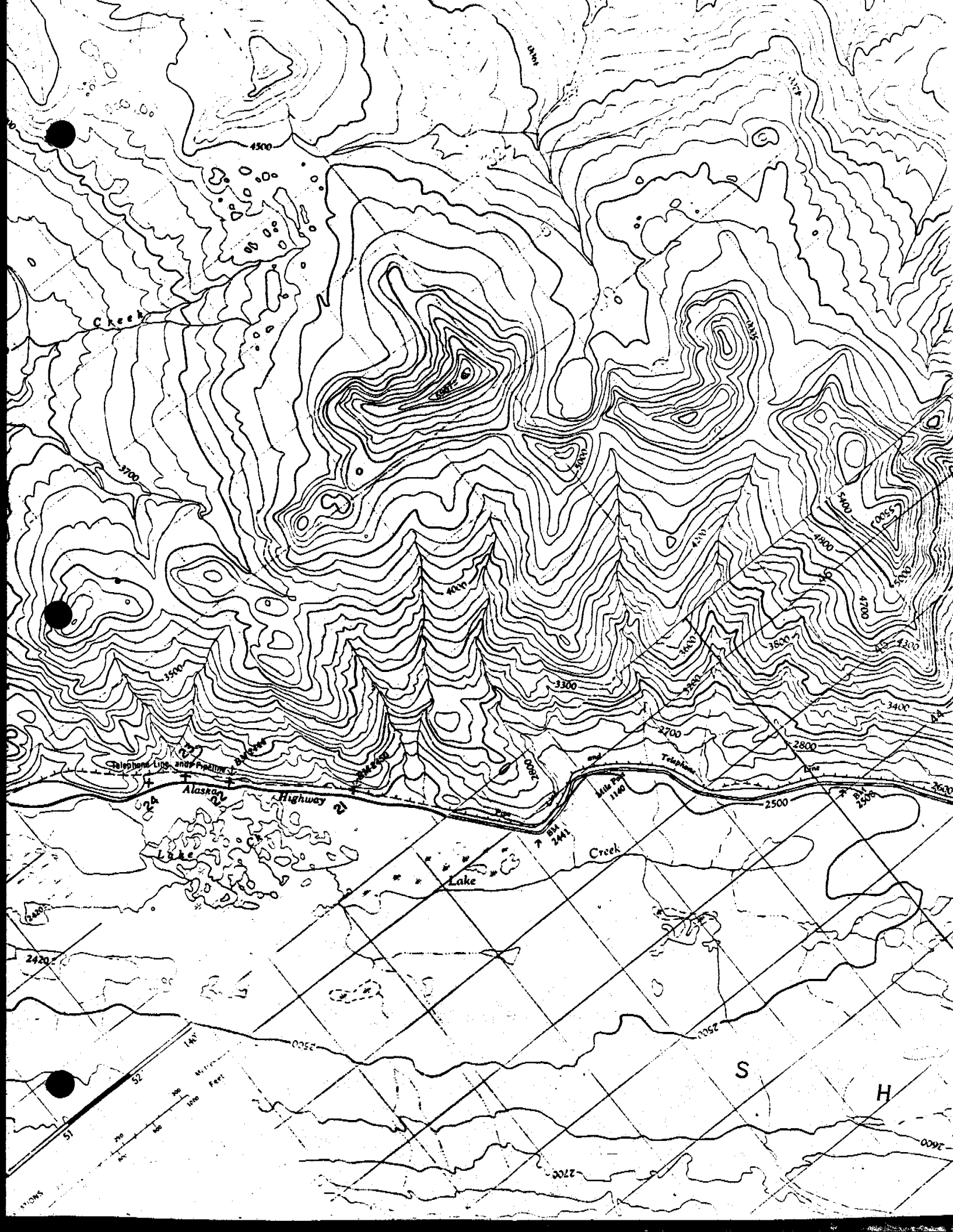


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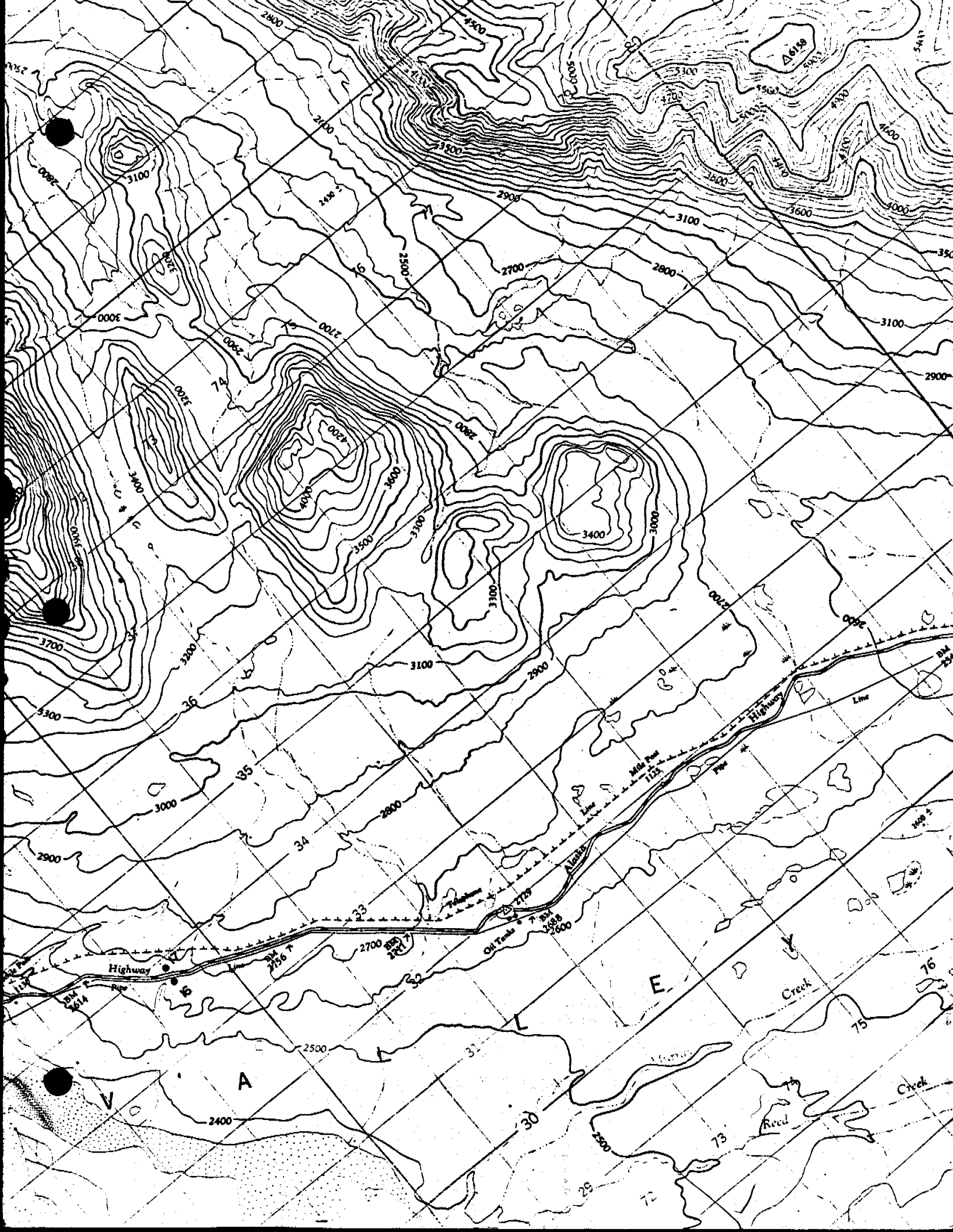












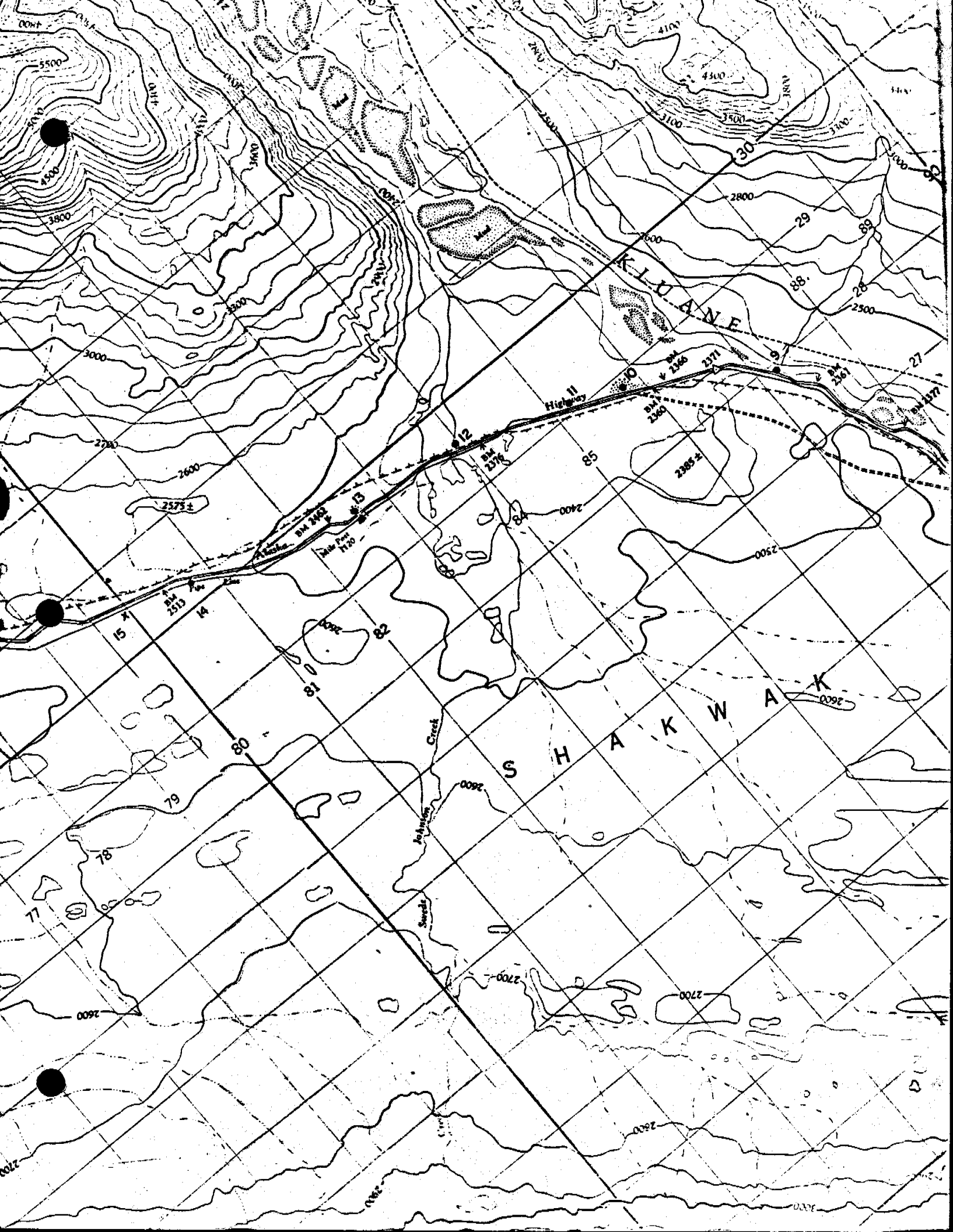
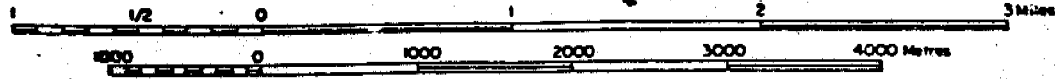


FIG. 16

ARCHER, CATHRO & ASSOCIATES LTD

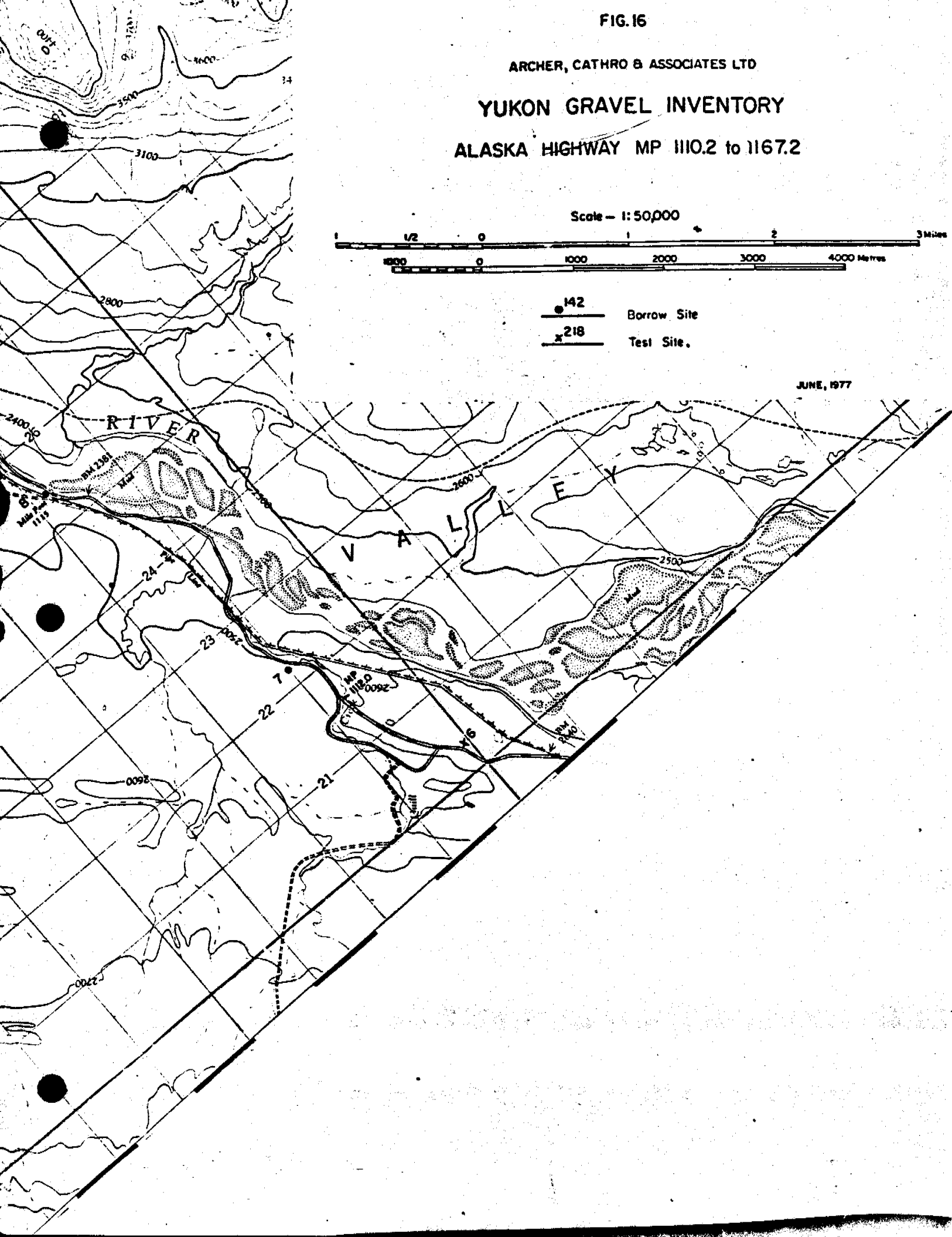
YUKON GRAVEL INVENTORY ALASKA HIGHWAY MP 1110.2 to 1167.2

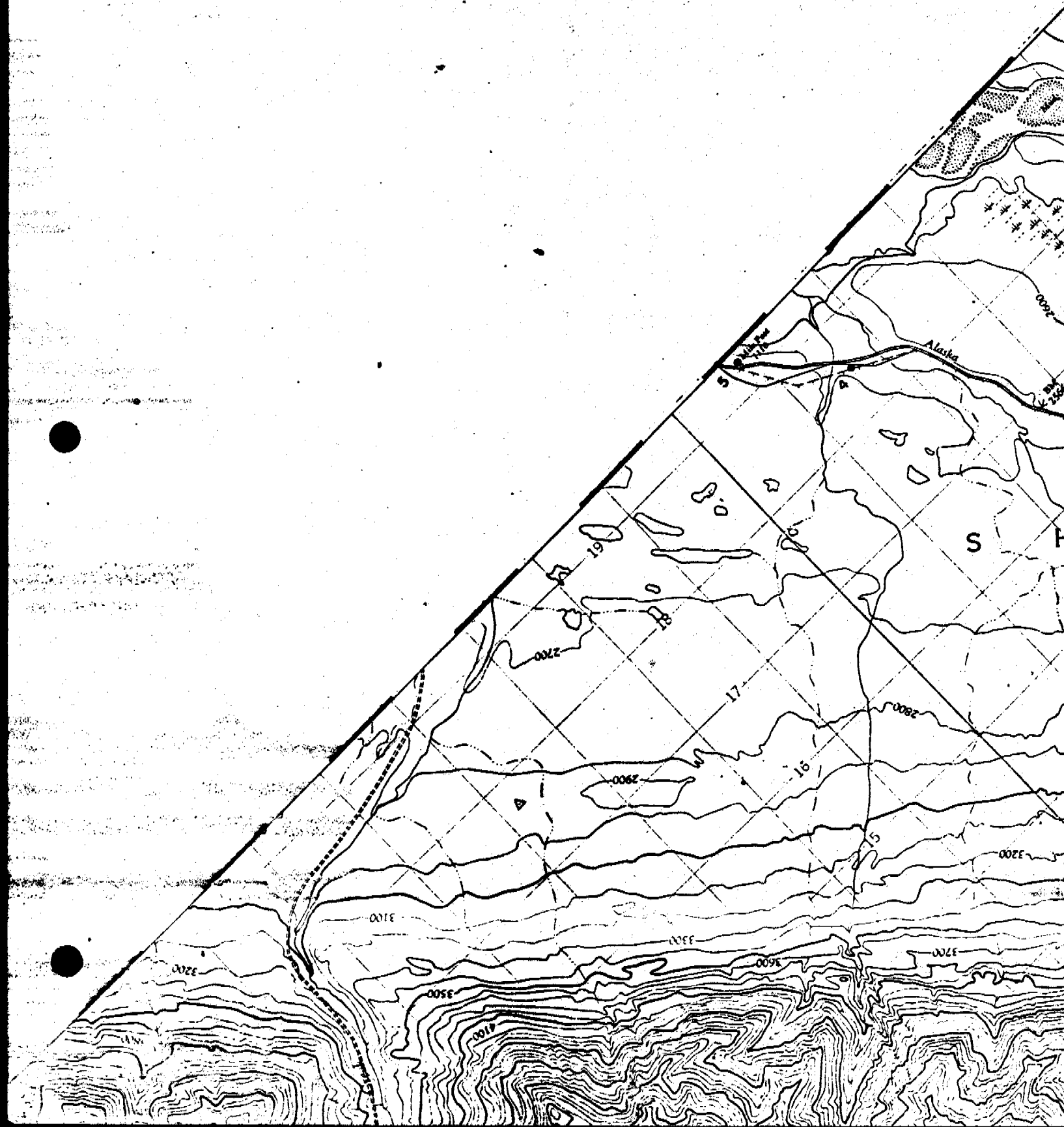
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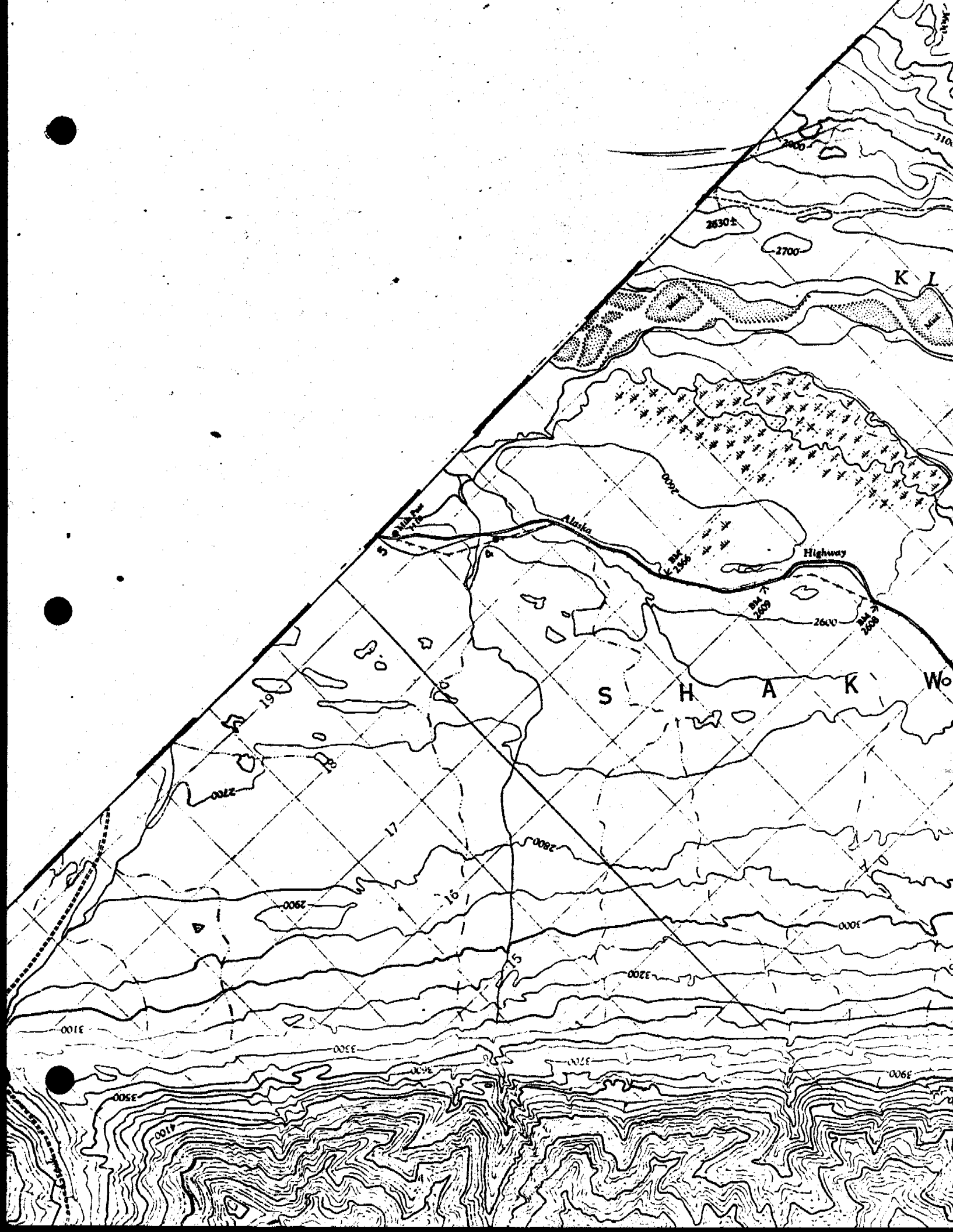


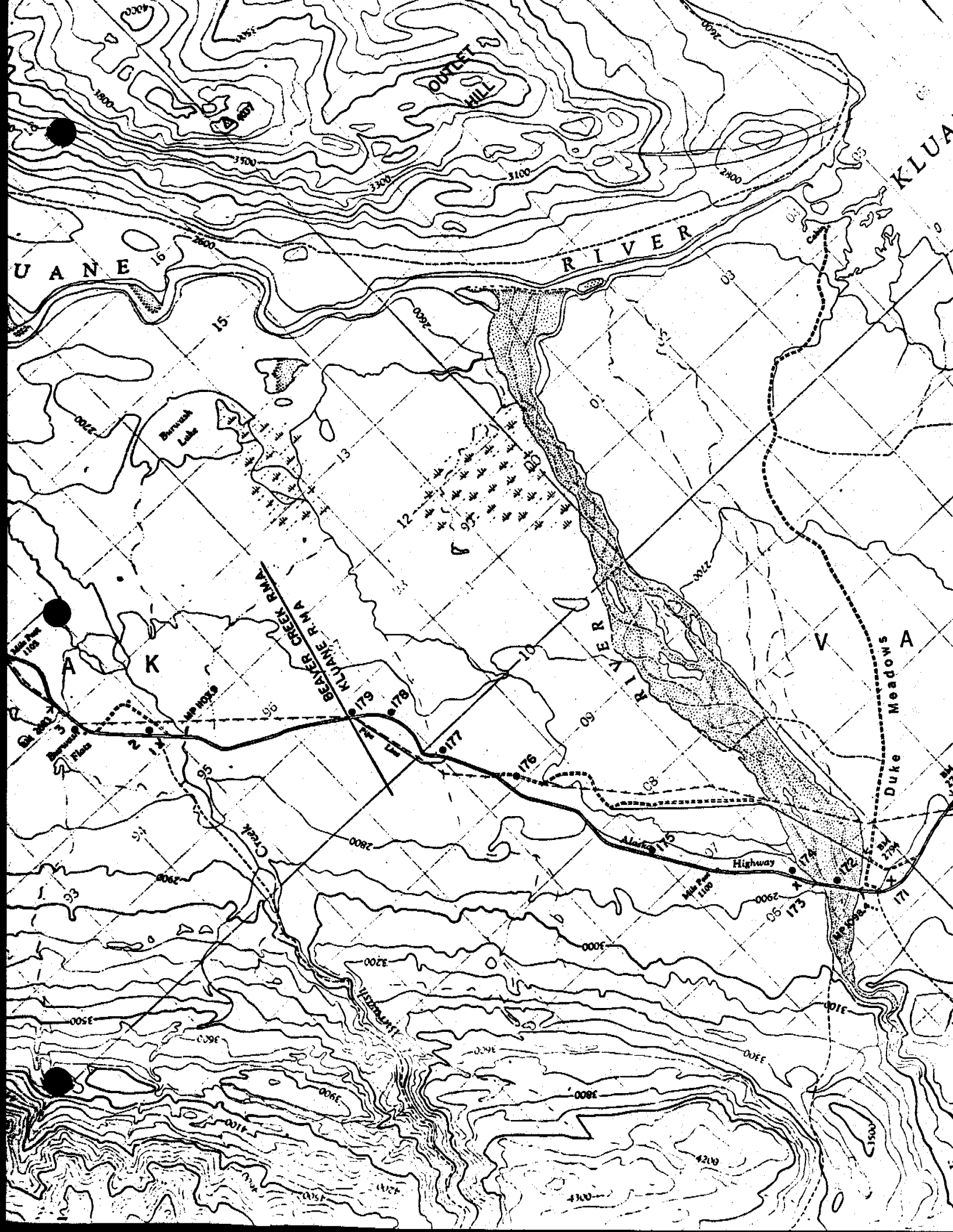
● 142 Borrow Site
x 218 Test Site.

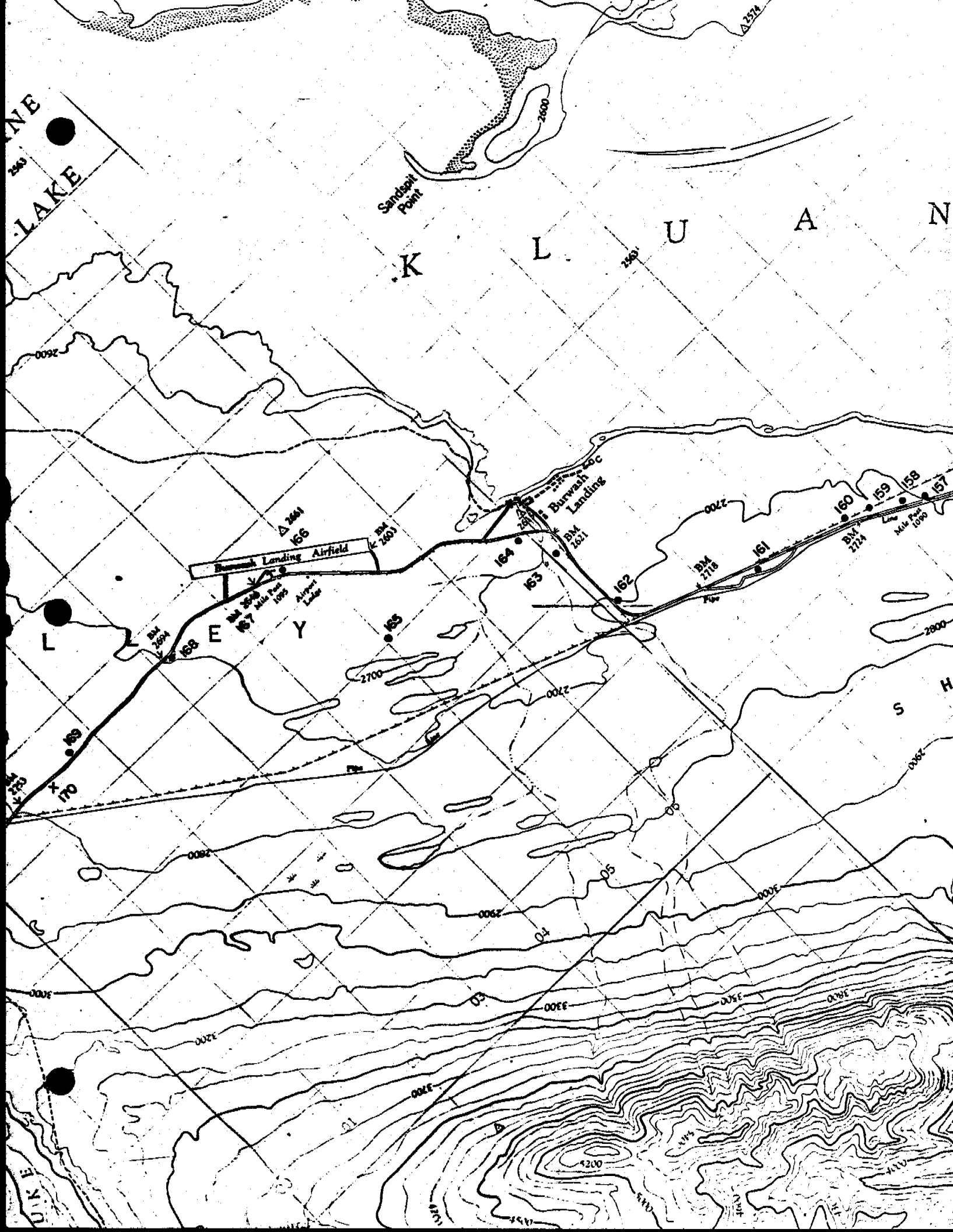
JUNE, 1977

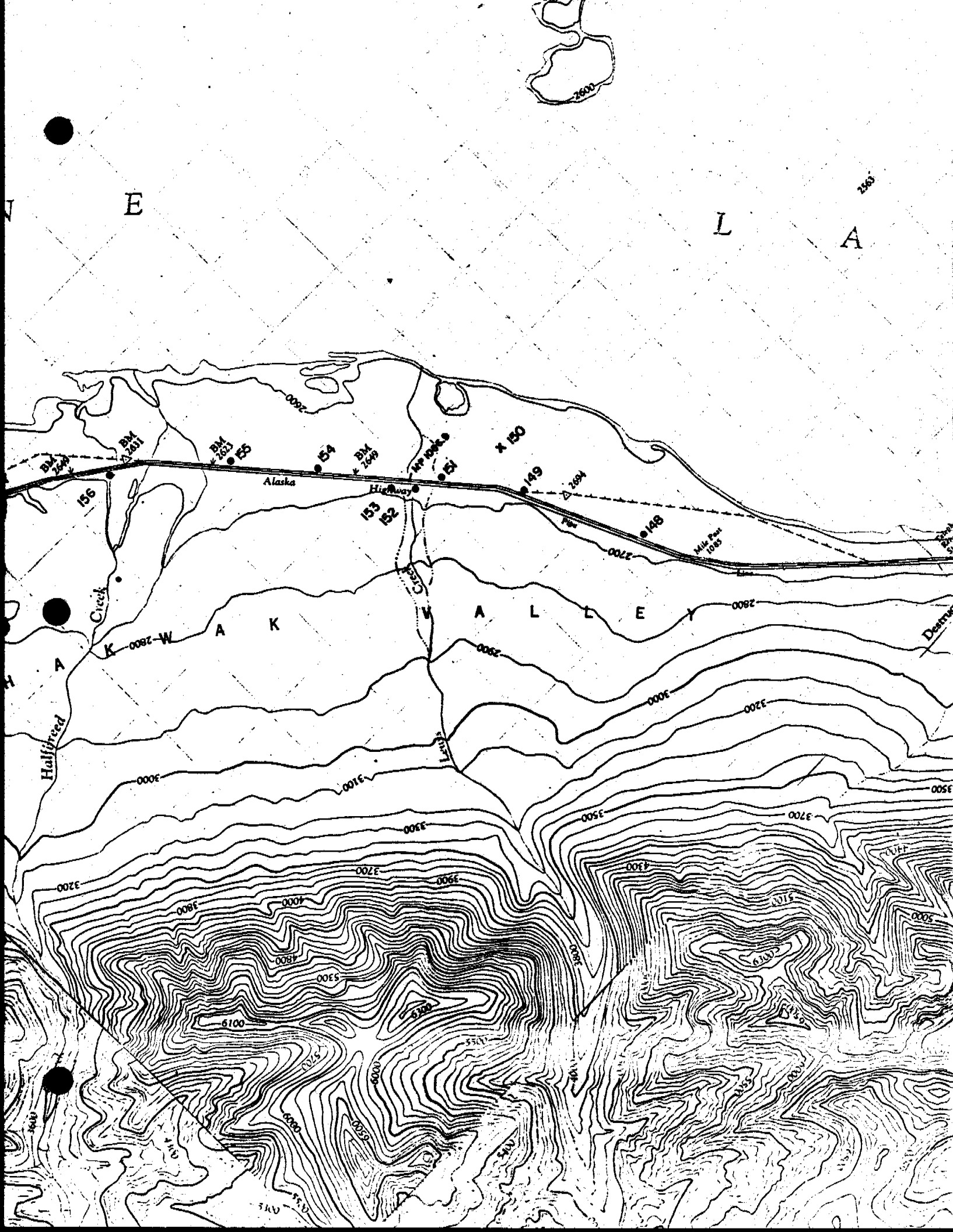


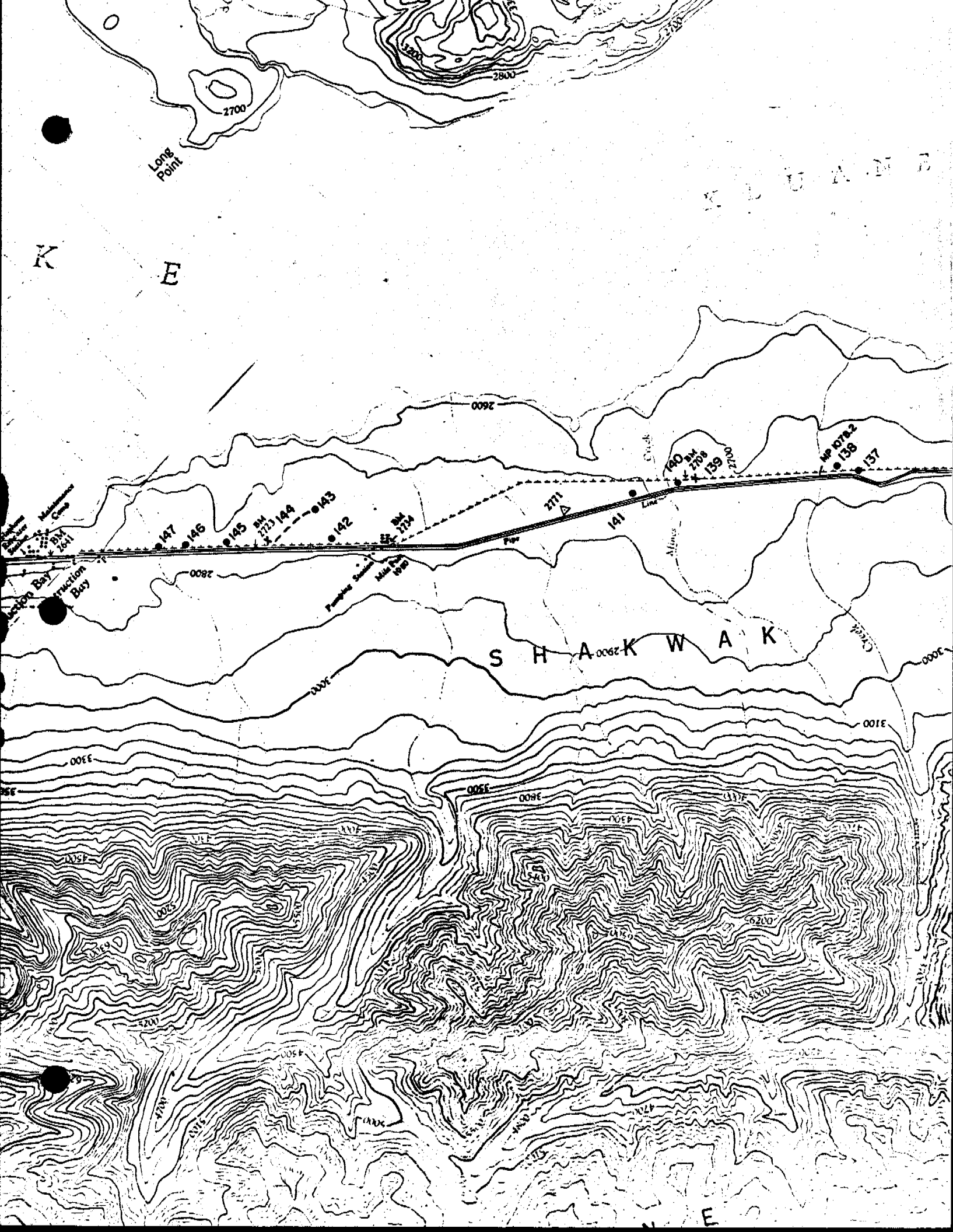












2963

L A K E

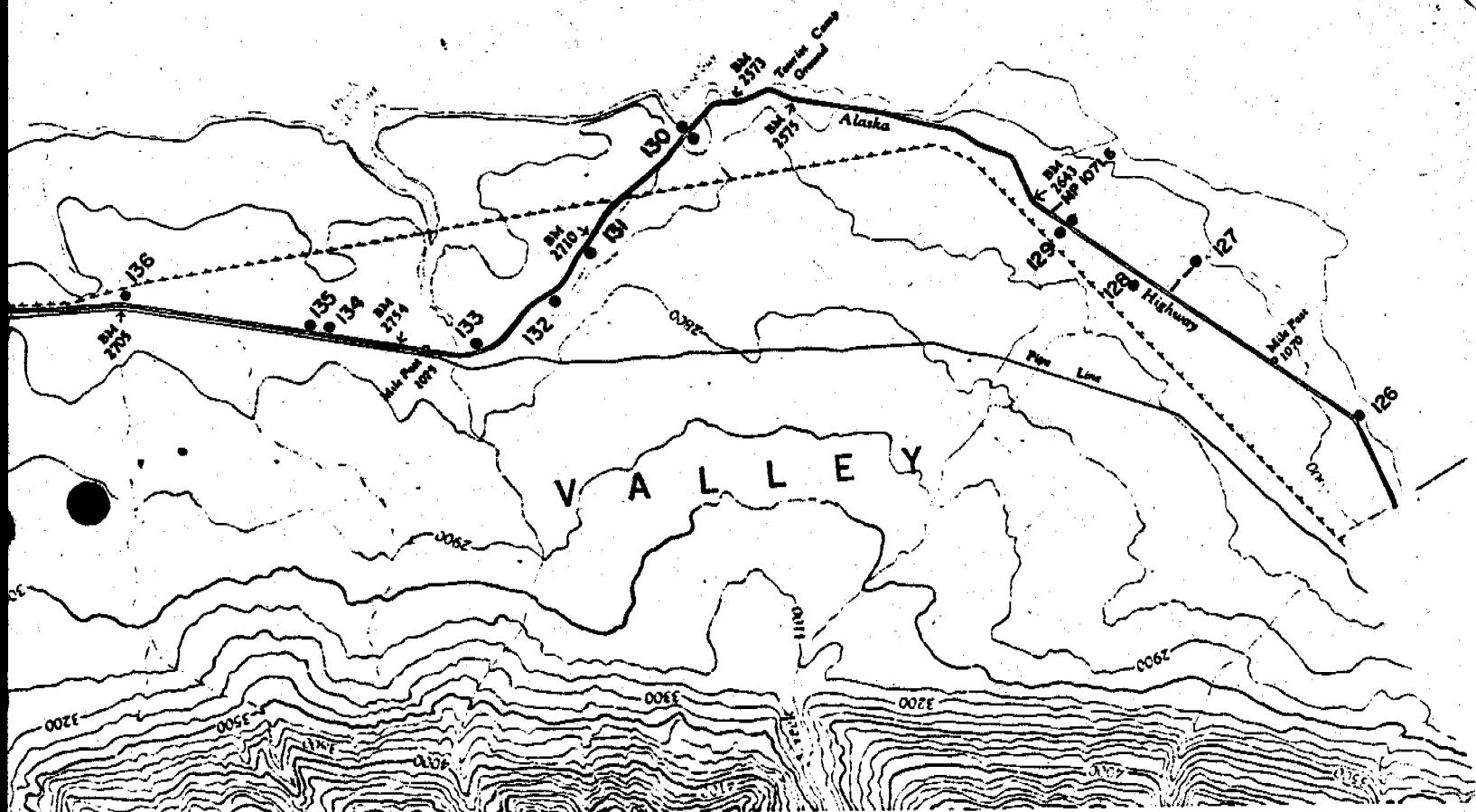


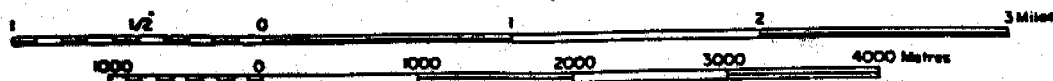
FIG. 15

ARCHER, CATHRO & ASSOCIATES LTD

YUKON GRAVEL INVENTORY

ALASKA HIGHWAY MP 1069.5 to 1110.2

Scale - 1:50,000



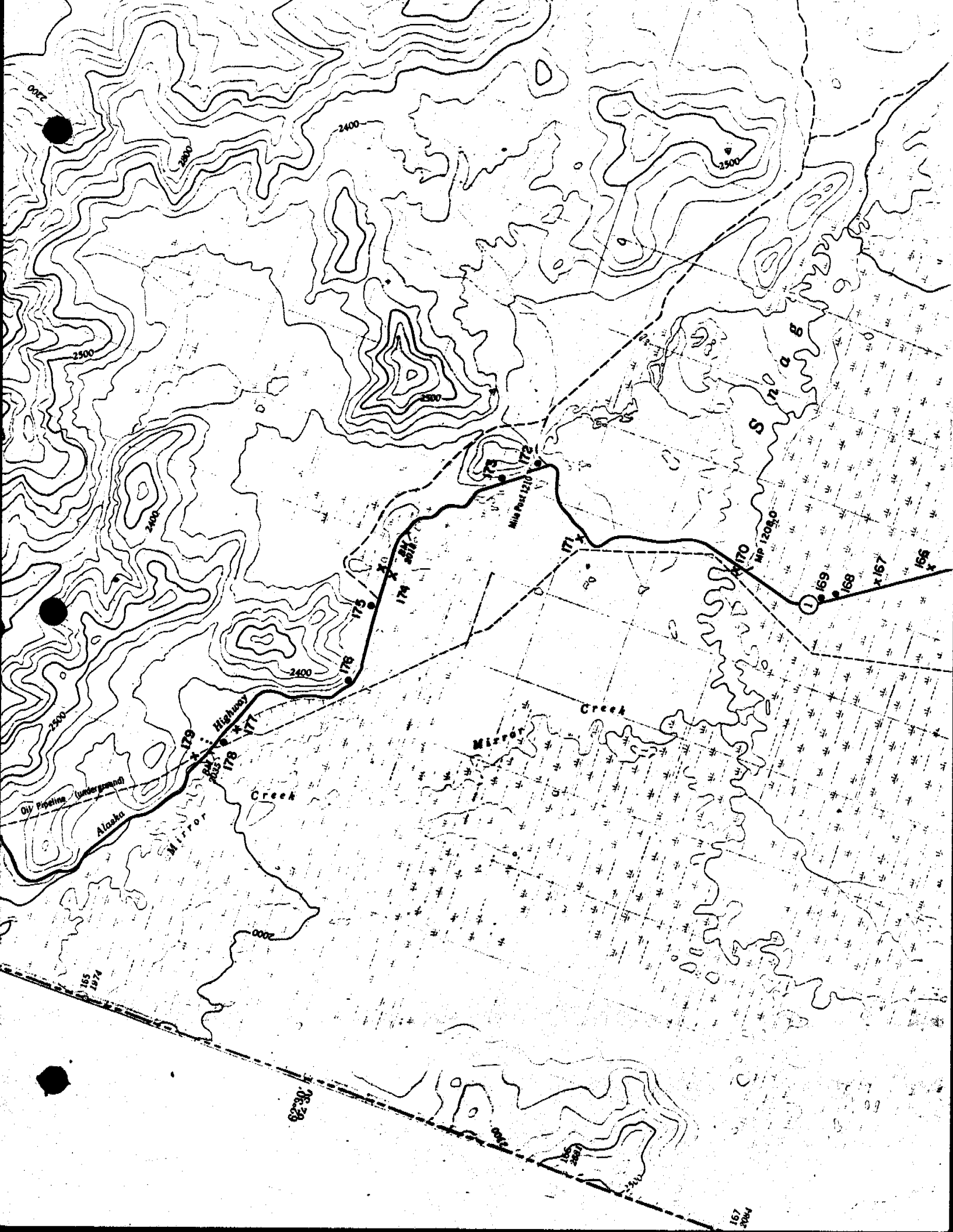
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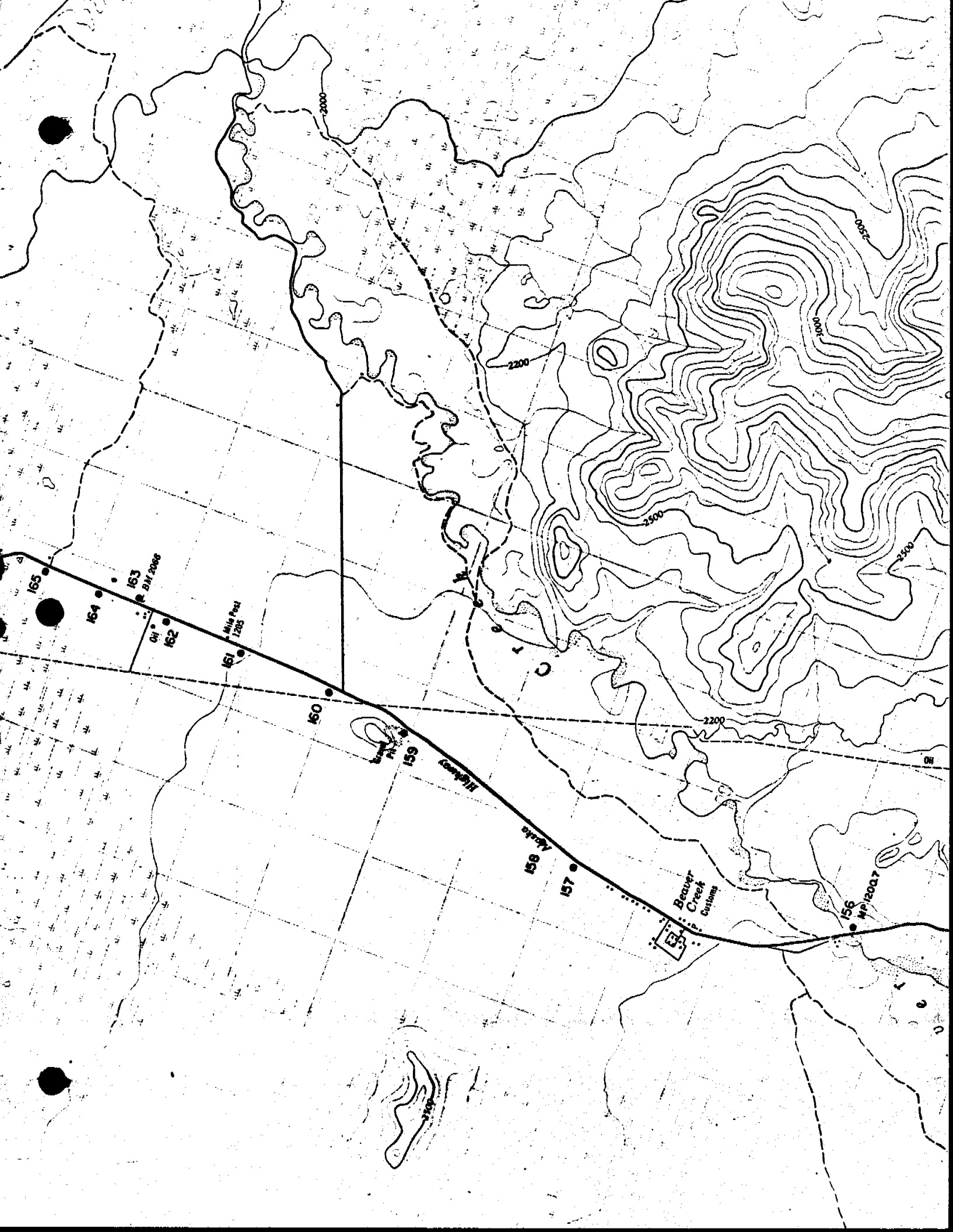
Borrow Site

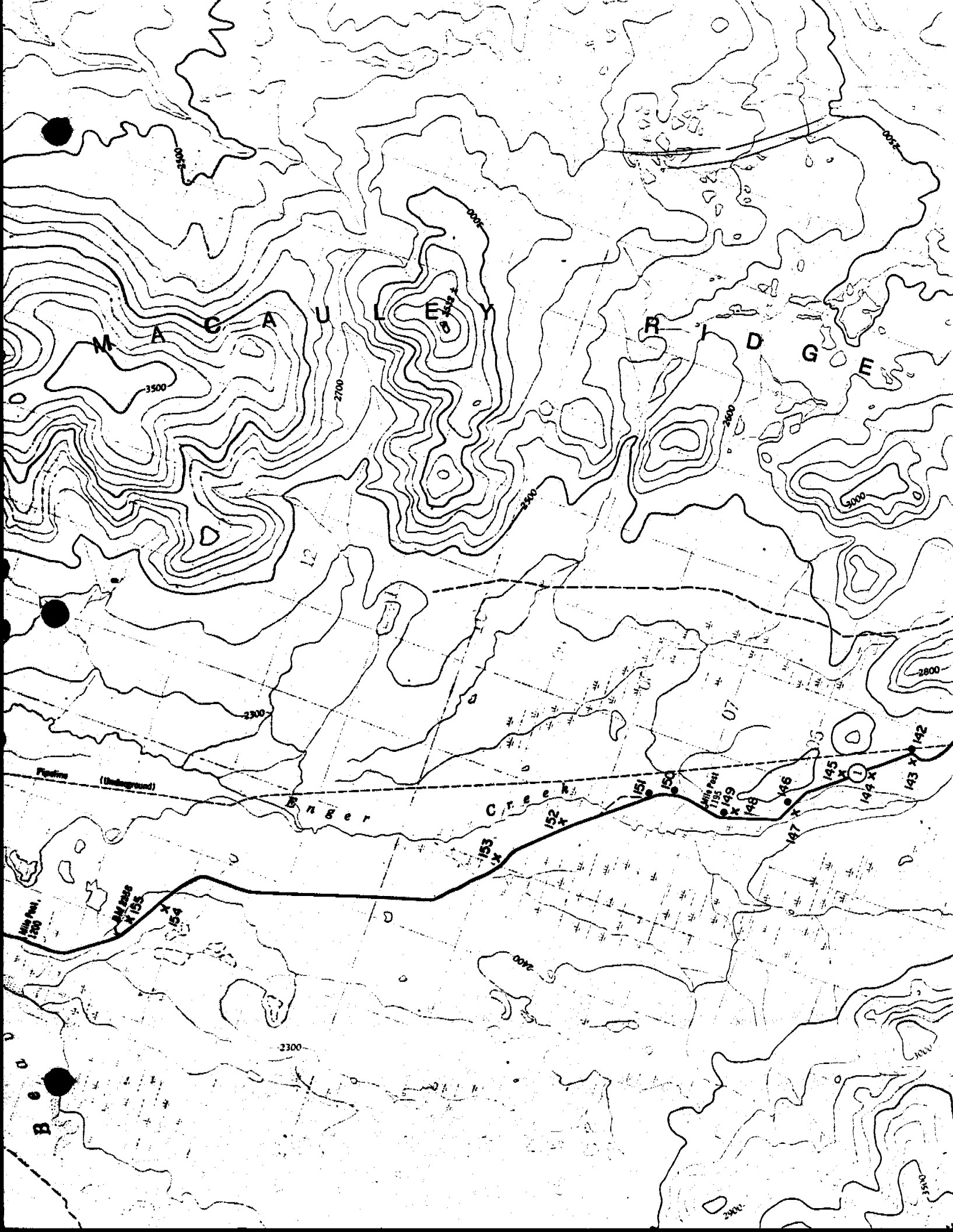
x218

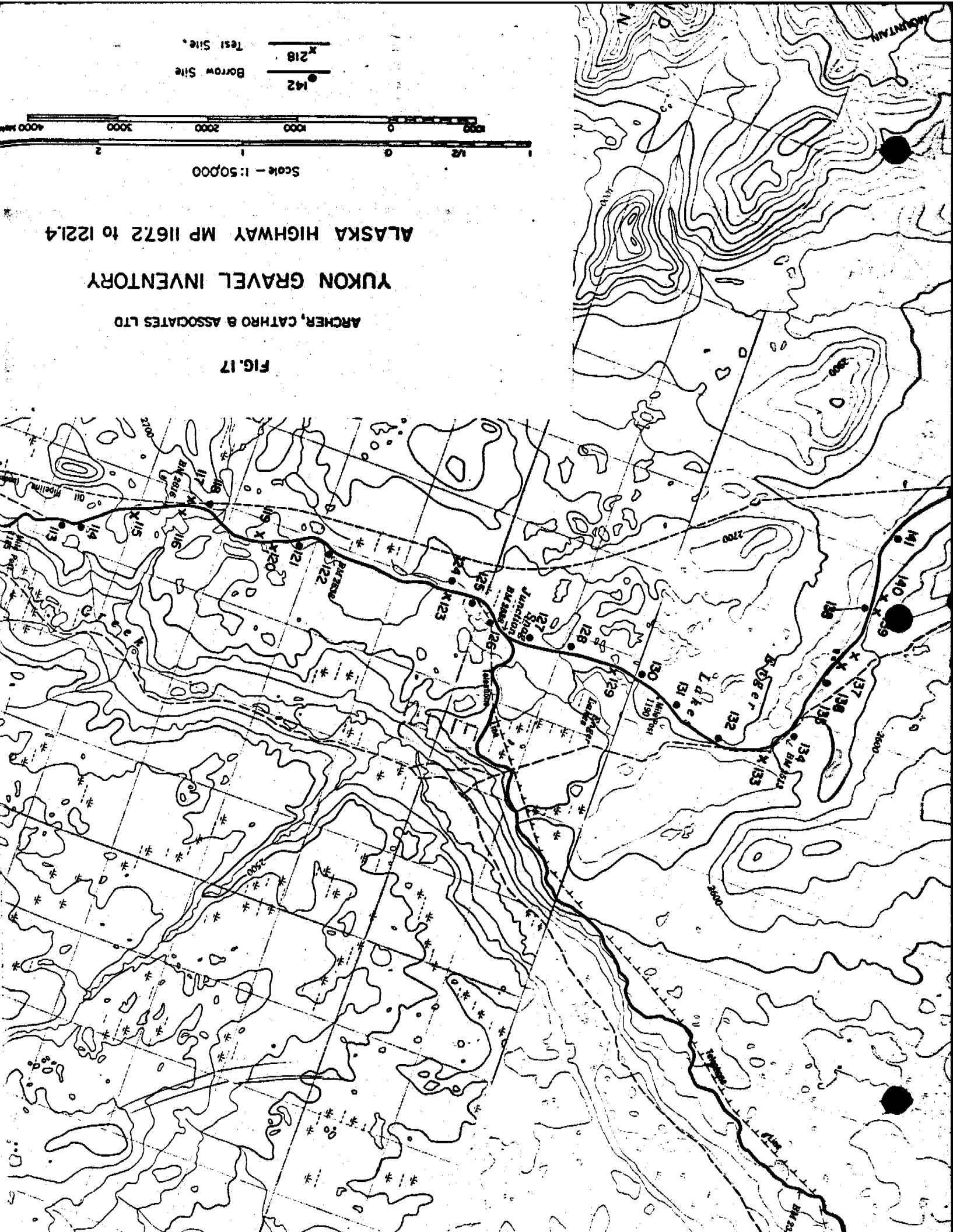
Test Site.











142
x218
Borrow Site
Test Site

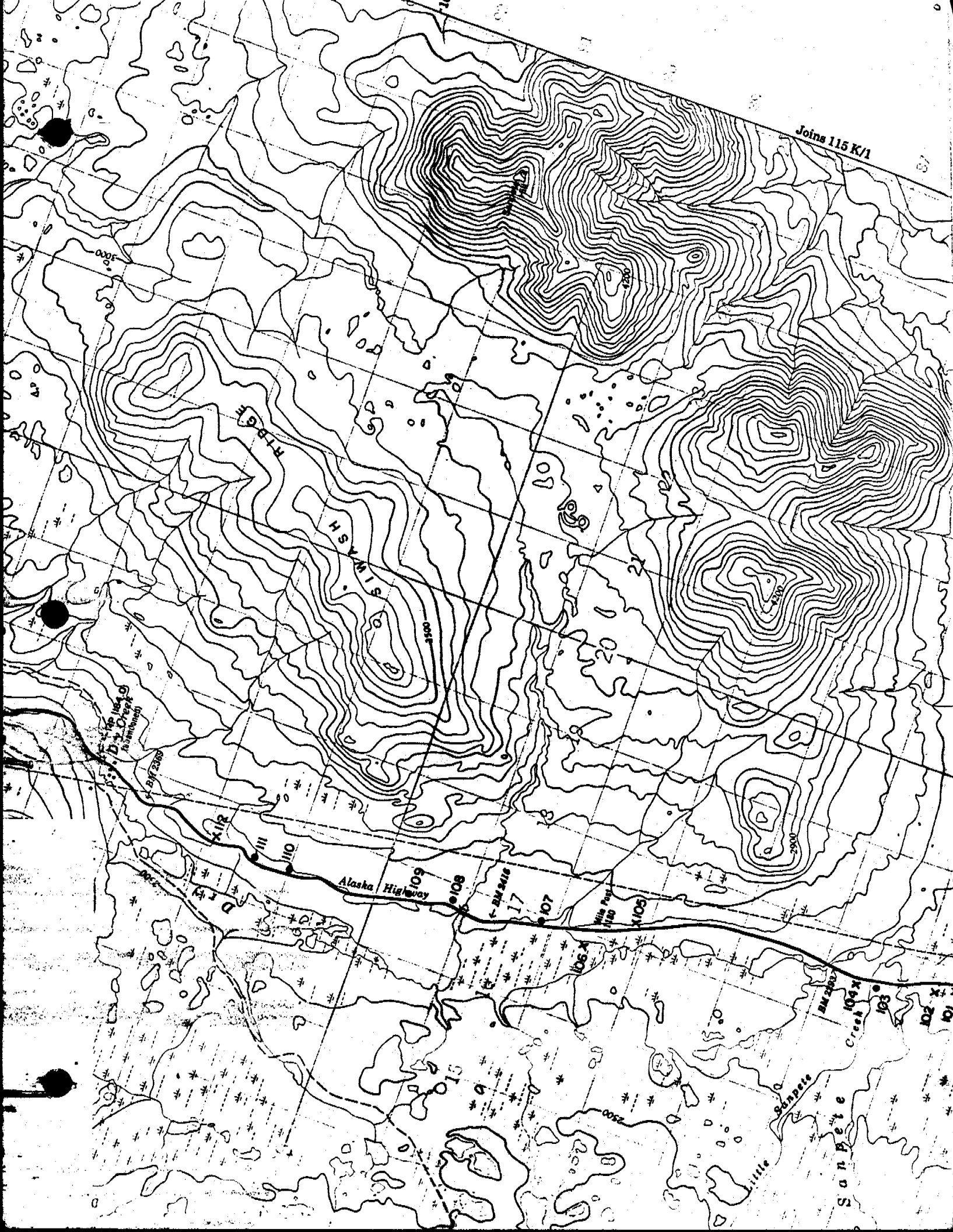
Scale - 1:50,000

ALASKA HIGHWAY MP 11672 to 12214

YUKON GRAVEL INVENTORY

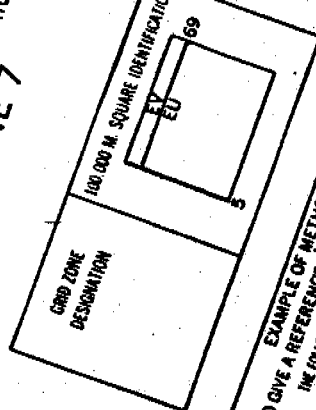
ARCHER, CATHRO & ASSOCIATES LTD

FIG. 17

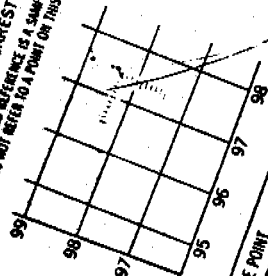


Use diagram only to obtain
APPROXIMATE MEAN DECLINATION
FOR CENTRE OF AREA
Annual change decrease

ONE THOUSAND M UNIVERSAL TRANSVERSE MERCATOR ZONE 7



TO GIVE A REFERENCE TO NEAREST 100 METRES
THE FOLLOWING GRID REFERENCE IS A SAMPLE ONLY
AND DOES NOT REFER TO A POINT ON THIS MAP



REFERENCE POINT	CHURCH	(As above)
EASTING: Road number on grid line immediately to left of point	Estimate tenths of a square from this line eastward to point	97
NORTHING: Road number on grid line immediately below point	Estimate tenths of a square from this line northward to point	97.5
EXAMPLE MILITARY GRID REFERENCE 975984		
Nearest similar grid reference 100,000 metres (about 63 miles)		984

