

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

WATSON LAKE - ALASKA Hwy.

AC 9 of 16

Vol. 1



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337  
L 000316  
343

## 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 Canol 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 8 $\frac{1}{2}$ " 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
Location:	Highway No: 1 MP 1022.2	Side R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: 0.2 mi
	KP Highway Name: Alaska	Access	Excellent
(B) Tenure:	Gravel Pit Reserve Appl Plan	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Current Status: Active

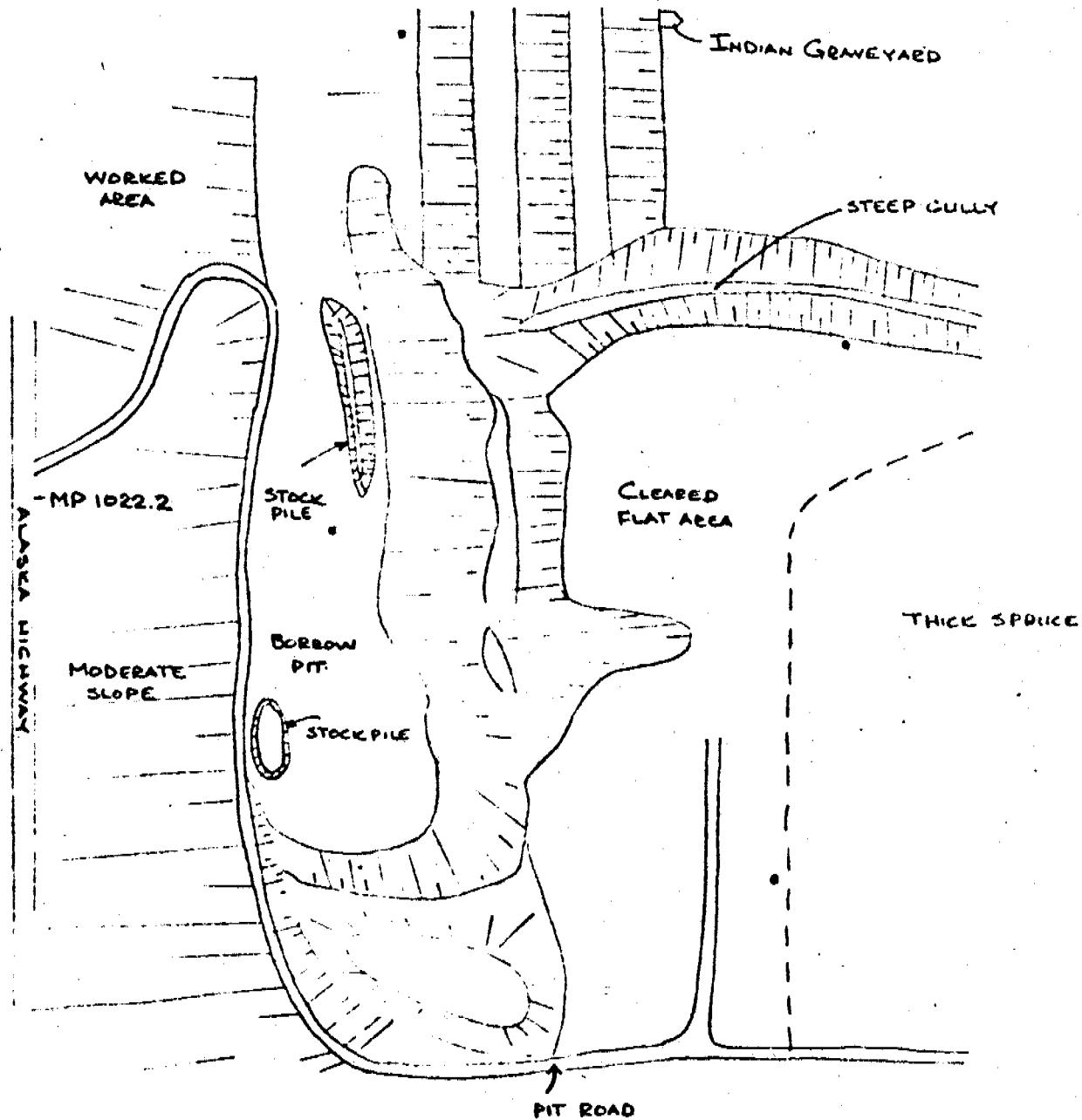
STOCKPILE SITE TYPE	Date: May/77	Crush	Amount: ± 750 Cu.Yds.
	Description: Moderate Sidehill	Tree Cover: Thick Spruce, Popl	
	Material: Gravel	Deposit:	
HISTORY	Past Use: Borrow - Surfacing	Date:	
	Performance Rating:	Amount Used:	
	Remarks:		

(D) TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
(E) SUBSURFACE TEST RESULTS	Date: July/69	Sites Sampled: 4 Pits		
	Depth	Max.	Min.	Average
	Overburden	1'	0	
	Material	15 $\frac{1}{4}$ '	14'	
	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
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SITE NO 65  
KLUANE R.M.A.  
TEST AREA  
ALASKA HIGHWAY MP 1022.2 L.H.G

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 mines 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

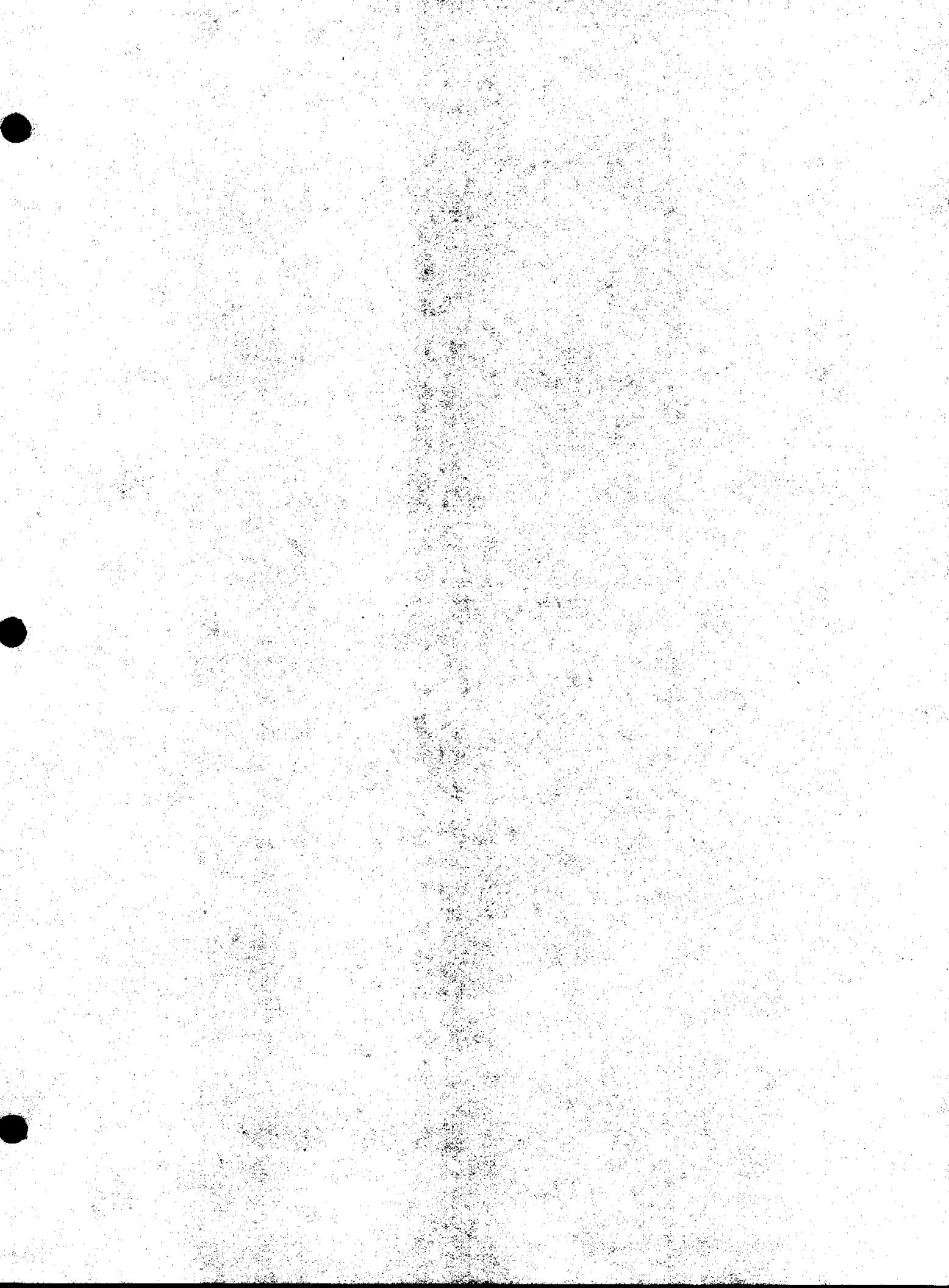
This 8½" x 11" file has plans of gravel pit reserves. A legal description of reserve is sometimes attached to the plan.

(3) Federal Lands Office

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

(4) YTG 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: Watson Lake

Borrow or Test Site No: 1

Location:  
MP 589.0

Highway No: 1  
KP [ ]

Highway Name: Alaska

Side R  L  ? Distance: Adjacent  
Access

Tenure:

Plan

Yes [ ]

No [ ]

Current Status:

**STOCKPILE**

Date:

Amount:

Cu.Yds.

**SITE**

Description:

Tree Cover:

**TYPE**

Material: Gravel, Sand

Deposit:

**HISTORY**

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:

Tested for concrete aggregate.

**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
Coarse Aggregate		89	72	99	100					
				40	0					
				89	0					
Fine Aggregate		#4	#8	#16	#30	#50	#100			
		100	84	77	71	61	45			
			73	53	37	23	13			
		100	88	73	51	10	2			

Potential Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 2

Location: MP 589.2	Highway No: 1 KP [ ]	Side R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent Access Good
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Tenure: Gravel Pit Reserve Plan	Current Status: Yes <input checked="" type="checkbox"/> No [ ]	Active
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STOCKPILE SITE TYPE	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
HISTORY	Material: Shale, Bedrock, Gravel	Deposit:
	Past Use: Borrow - Surfacing	Date:
	Performance Rating:	Amount Used:
Remarks:		

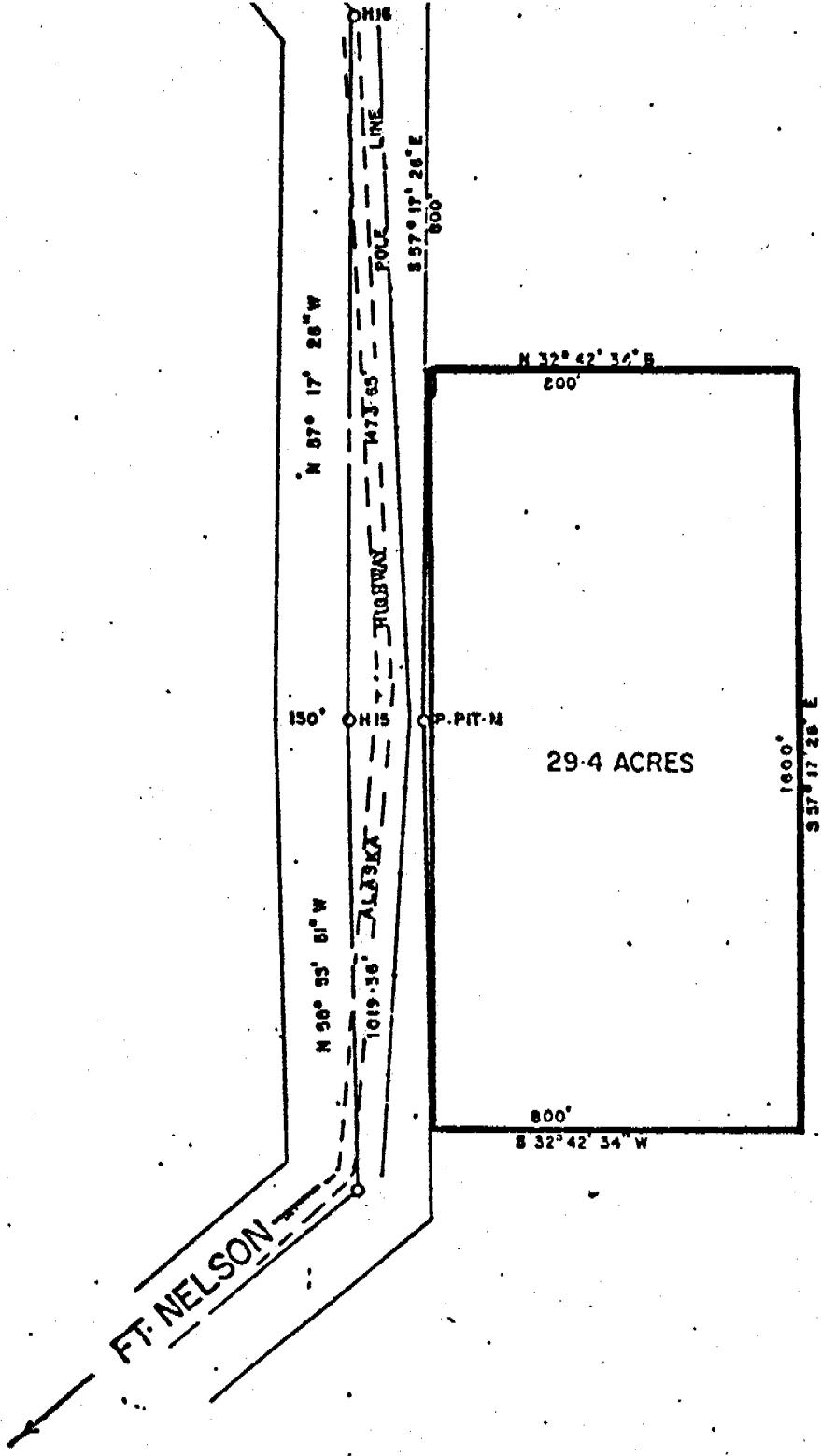
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: 1970		Sites Sampled: 18 (?) Pits		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds)Estimated		Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	1975 Crush Count: 88%
Other Tests:	Petrographic Analysis (Gravel): Siltstone - 20%; Limestone - 25%; Quartzite - 45%; 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	
Gravel Pit run-Av. 4 Pits	87	78	60	44	31	18	12			NP	
Gravel Lab-crush-3/4	100	96	69	50	34	18	12			NP	
Crush-Shale-8 pits	100	86	60	43	25	18	14	21	4		
Shale Crush-Av. 11 Pits (1971)		99	74	49	33	20	12	19.8	3.6		
Shale Crush-Av. 7 Pits (1975)		100	71	50	33	18	10		0		

Potential Conflicts	Environmental:
	Land Use:

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

Drawing title:	GRAVEL PIT	designed by: V. S.	date:
scale: 1" = 400'		drawn by: N. L.	
date: JAN-1971		reviewed by:	
		approved by:	
		proj. no.:	deg. no.:
		T-5-71-3	

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 3

Location:	Highway No: 1	Side: R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 590.2	KP [ ]	Highway Name: Alaska	Access [ ]

Tenure:	Current Status:	
Plan	Yes [ ]	No [ ]

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
Date: Sept/70		Sites Sampled: 1 Pit		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	1'		
	Material	9'		
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	1'-6'	96	92	78	63	45	14	1		NP	

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

R.M. Area: Watson Lake

Borrow or Test Site No: 4

Location:

Highway No: 1

Side R  L

Distance:

MP 596.2

KP

Highway Name: Alaska

Access

Tenure:

Plan

Yes

No

Current Status:

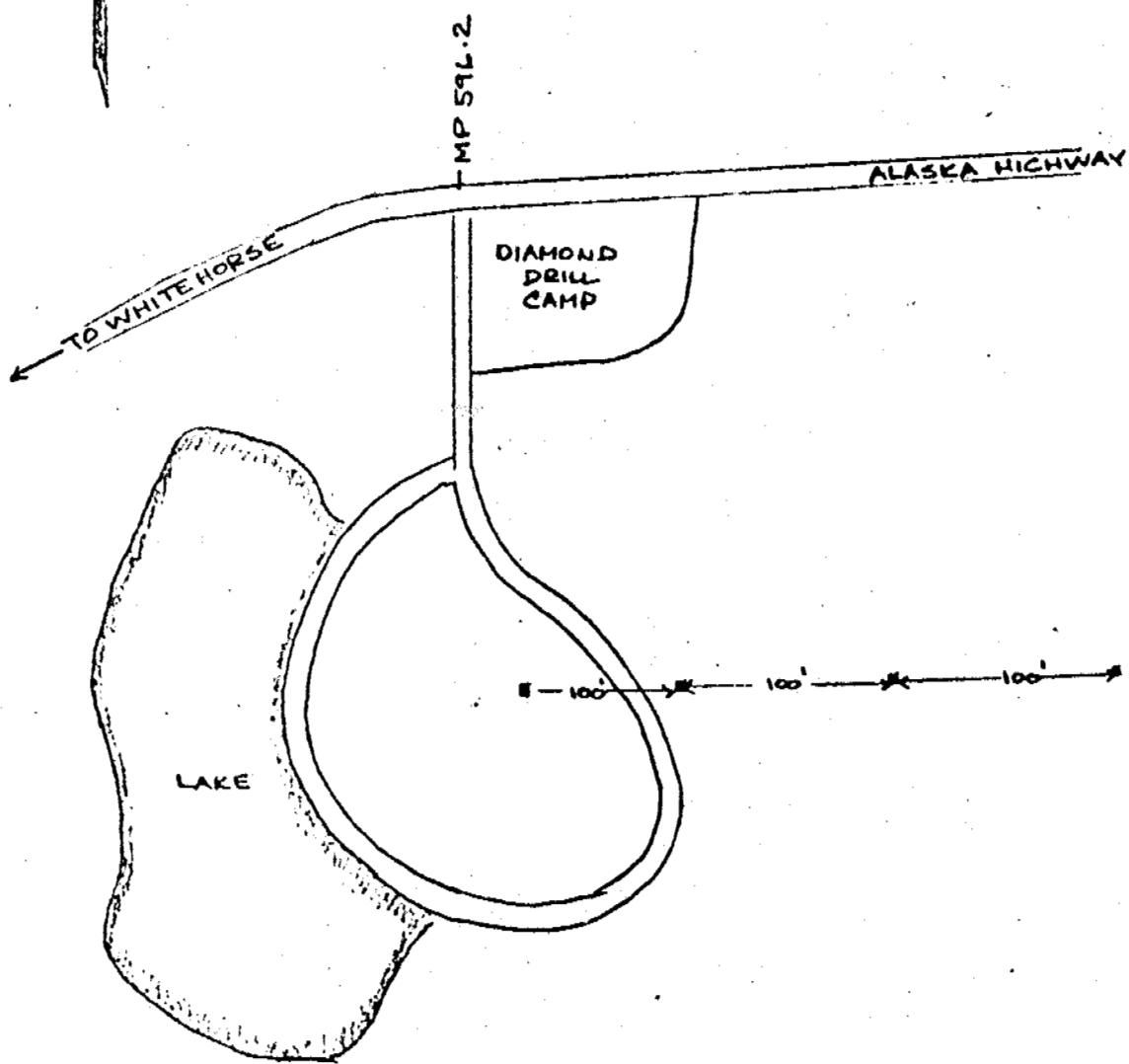
STOCKPILE SITE TYPE  HISTORY	Date:	Amount:	Cu.Yds.
	Description: Flat	Tree Cover: Mod. Spruce, Pine	
	Material: Gravel	Deposit:	
	Past Use:	Date:	
Performance Rating:	Amount Used:		
Remarks:			

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: May/71		Sites Sampled: 4 Pits		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	2'	1'	
	Material	12 $\frac{1}{2}$ '	10'	
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.3 Pits		80	65	48	37	27	10	2		NP

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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SITE NO. 4  
WATSON LAKE RMA.

TEST SITE

ALASKA HIGHWAY MP 596.2 LHS

NO SCALE

TEST PIT

YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 5

Location: MP 596.4	Highway No: 1 KP [ ] Highway Name: Alaska	Side R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent Access [ ]
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Tenure: Gravel Pit Reserve Plan	Yes <input checked="" type="checkbox"/> No [ ]	Current Status: Active
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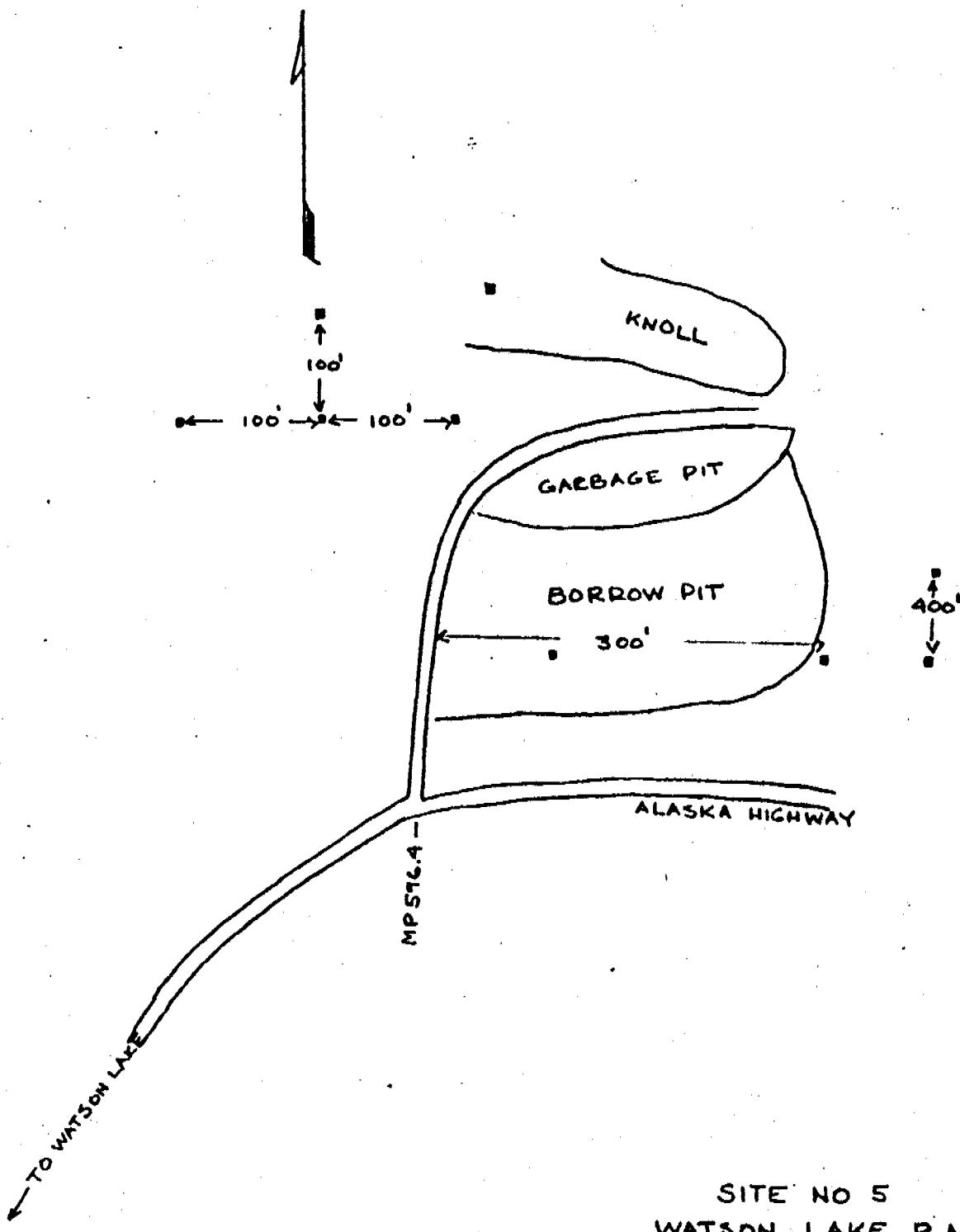
STOCKPILE SITE TYPE	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: Flat - Gently Rolling	Tree Cover: Thick Pine
HISTORY	Material: Sandy Gravel, Gravelly Sand	Deposit: [ ]
	Past Use: Sanding Material	Date: [ ]
	Performance Rating: [ ]	Amount Used: [ ]
Remarks: [ ]		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
Date: May/71		Sites Sampled: 9 Pits		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	3'	0'	[ ]
	Material	13'	3'	[ ]
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.	4 Pits	88	71	51	40	28	13	2	[ ]	NP
Crush-3/4"-Av.	4 Pits	100	97	72	55	44	19	6	[ ]	NP

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

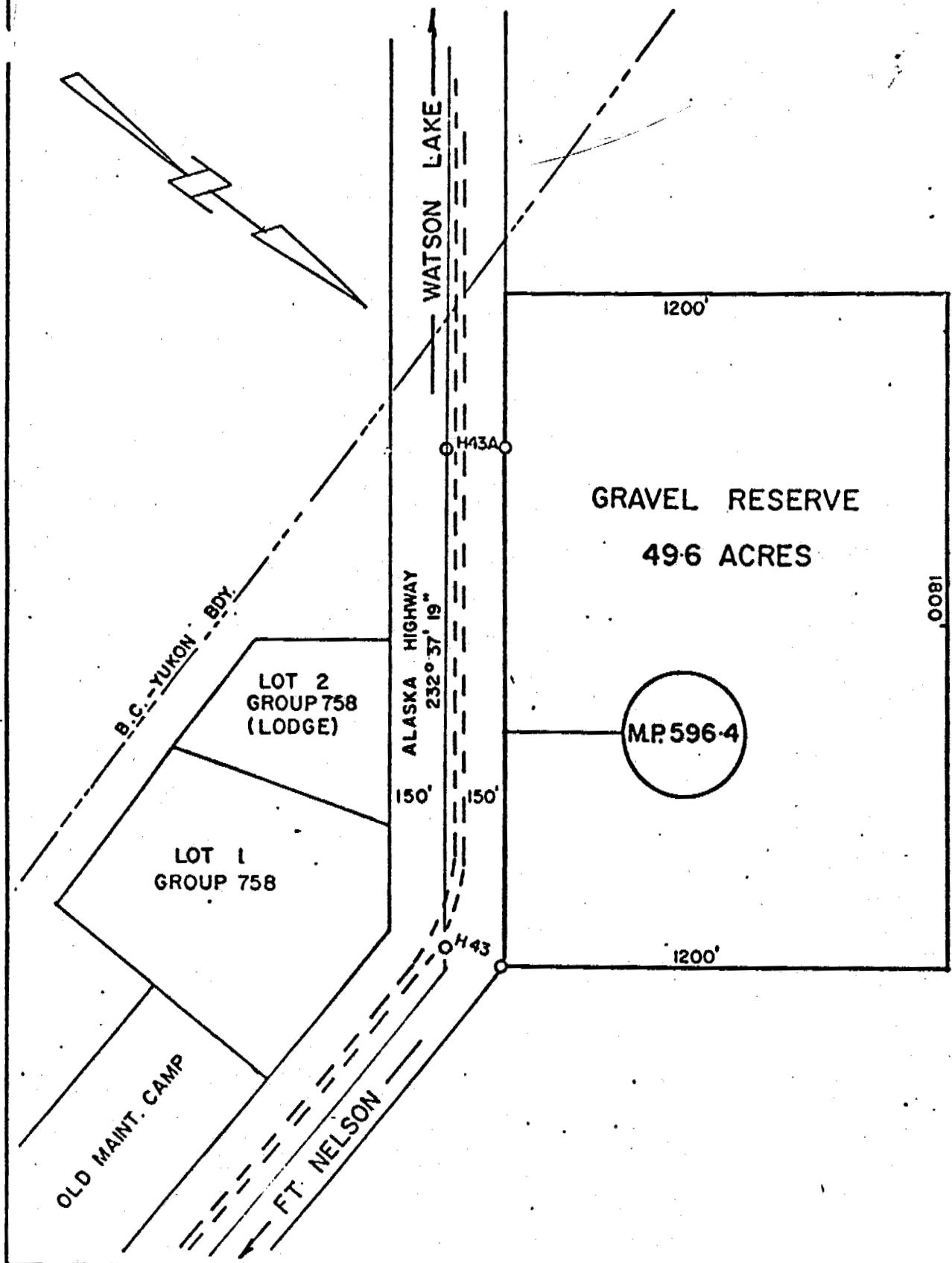
REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data Federal Lands Office
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SITE NO 5  
WATSON LAKE R.M.A.  
TEST SITE

ALASKA HIGHWAY MP 596.4 RHS

NO SCALE  
▲ TEST PIT



DEPARTMENT OF PUBLIC WORKS MINISTÈRE DES TRAVAUX PUBLICS	Drawing title: Titre du dessin	designed by: conçu par:
	GRAVEL RESERVE	
scale: échelle	Reviewed by: examiné par:	
		drawn by: dessiné par:
date: date	revisions: révision:	checked by: contrôlé par:
		signed by: signé par:
Project no.: no. du projet	Date rec'd: Date reçue:	
TS 71-66	22-44	

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 6

Location:	Highway No: 1	Side: <input type="checkbox"/> R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 596.5	KP [ ] Highway Name: Alaska	Access	

Tenure: Gravel Pit Reserve Plan	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Current Status:
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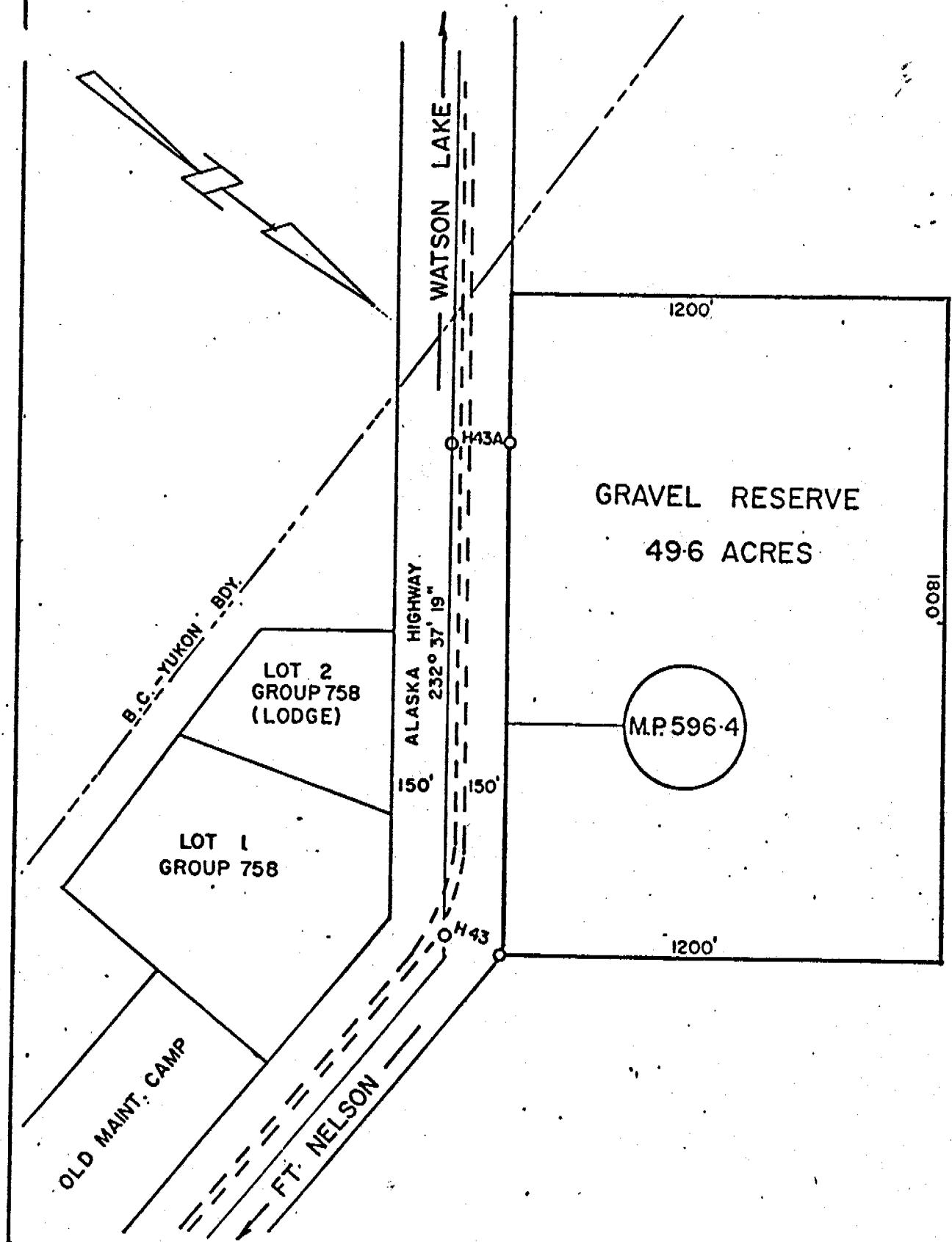
STOCKPILE SITE TYPE HISTORY	Date: _____	Amount: _____ Cu.Yds.
	Description: Small Knoll	Tree Cover: Heavy Pine
	Material: Gravel	Deposit: _____
	Past Use: _____	Date: _____
Performance Rating: _____	Amount Used: _____	
Remarks: _____		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: May/71		Sites Sampled: 10 Pits		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	2'	1'	
	Material	14'	10'	
	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.	9 Pits	79	62	43	32	23	9	2		NP

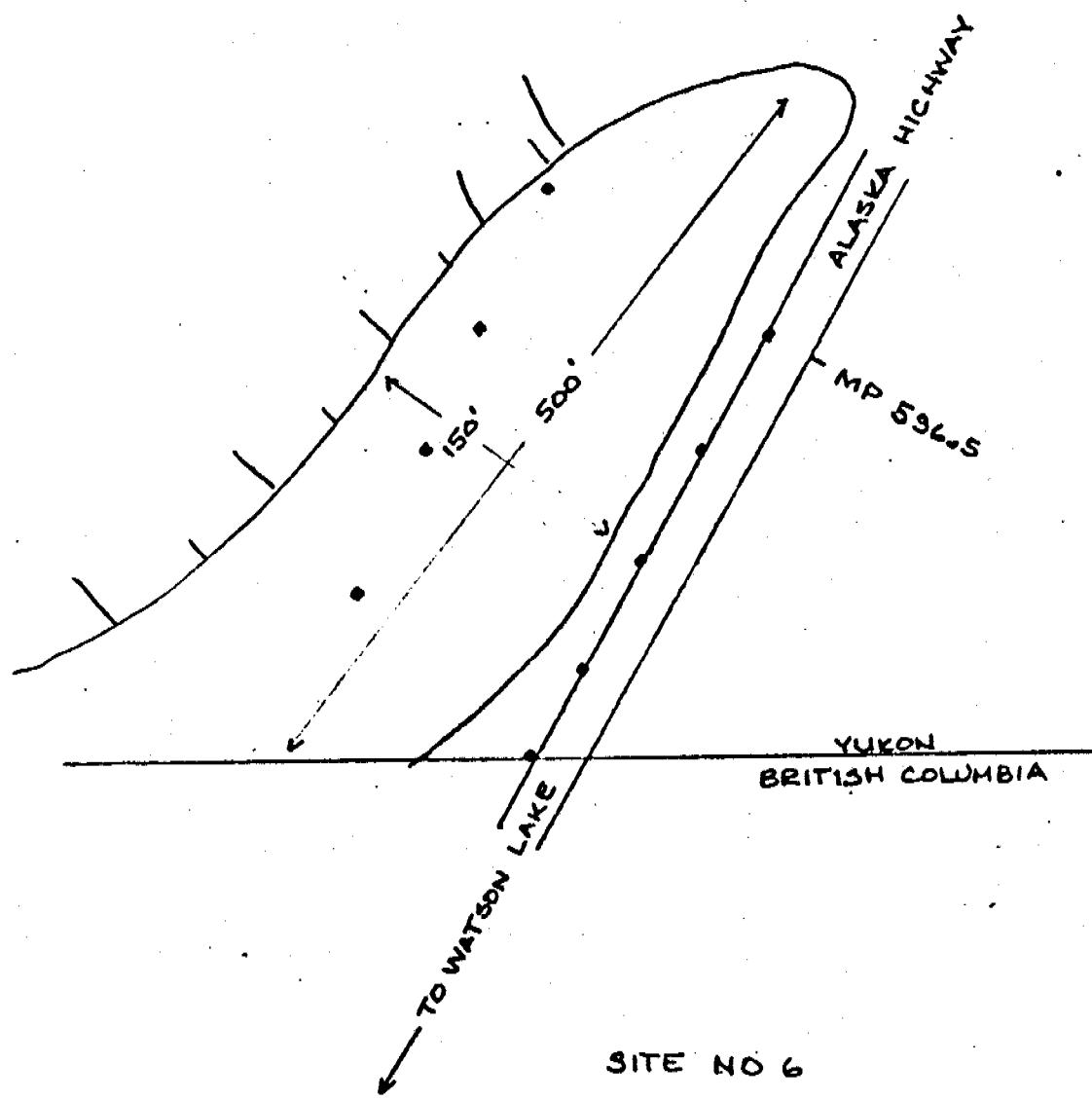
Potential Conflicts	Environmental: _____
	Land Use: _____

REFERENCE:	DPW Materials Inventory Alaska Highway Technical Data Federal Lands Office
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DEPARTMENT OF PUBLIC WORKS  
 MINISTÈRE DES TRAVAUX PUBLICS  
 PROJ. 596-4 MIL 17/5/71

Drawing title: Titre du dessin:	designed by: conçu par:
GRAVEL RESERVE	drawn by, N.L. 17/5/71 dessiné par:
scale: échelle:	reviewed by: examiné par:
date: date:	approved by: approuvé par:
revisions: revisions:	project no.: no. du projet:
ALASKA HIGHWAY M.P. 596.4	dwg. no. numéro de dessin:
TS.71-66	22-4



TEST SITE  
ALASKA HIGHWAY MP 596.5 LHS  
NO SCALE  
● TEST SITE

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 7

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	Adjacent
MP 629.0	KP		Highway Name:	Alaska	Access	Good

Tenure:	Current Status: Active-Stockpile Storage		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

STOCKPILE SITE TYPE HISTORY	Date:	June/77	Crush Amount:	+ 1500 Cu.Yds.
	Description:	Flat	Tree Cover: Heavy Pine	
	Material:	Crush	Deposit:	
	Past Use:	Storage Area	Date:	
Performance Rating:		Amount Used:		
Remarks:				

TEST SUMMARY	Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
	Lab. Test	<input type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
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: Watson Lake

Borrow or Test Site No: 8

Location: Highway No: 1 Side R  L  Distance: Adjacent  
MP 630.6 KP Highway Name: Alaska Access

Tenure: Plan Current Status: Inactive - Could not locate.  
Yes  No

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>
Date:		Sites Sampled:		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks: Crush to 3/4" for base course Class 1.				

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.-14 Sites		96	75		50	38	18	6		

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 9

Location:	Highway No:	<input type="text"/> 1	Side:	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	0.1 mi
MP	631.0	KP	Highway Name:	Alaska	Access	Good

Tenure: Gravel Pit Reserve Plan	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Current Status: Active
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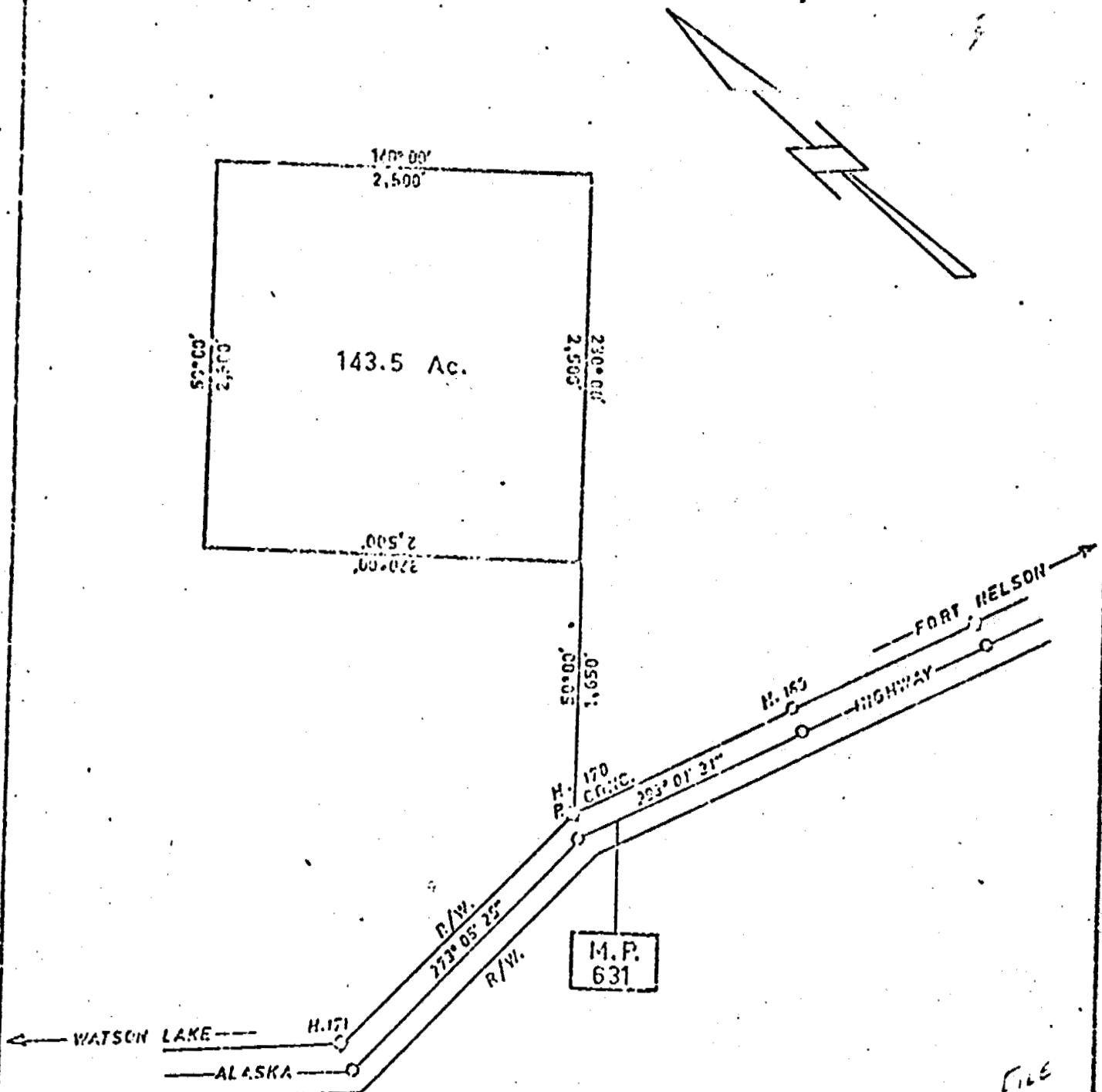
STOCKPILE SITE TYPE	Date:	Amount: Cu.Yds.
	Description: Moderate Slope	Tree Cover: Heavy Pine, Poplar
HISTORY	Material: Gravel, Sand	Deposit:
	Past Use: Borrow	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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
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DEPARTMENT OF PUBLIC WORKS  
MINISTÈRE DES TRAVAUX PUBLIQUES  
WHITEHORSE Y.T.

Drawing title:  
Titre du dessin:

GRAVEL PIT RESERVE

Scale:  
échelle: 1" = 1,000'

R.H.S.

ALASKA HIGHWAY  
M.P. 631.05

designed by:  
conçu par:

D. E. LEITCH  
ÉCUSSON SUR  
MARCH 1972

reviewed by:  
examen par:

Approved by:  
approbation par:

Project no.:  
no. du projet:

T.S. 72-51

Cost

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 10

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	Adjacent
MP 631.8	KP		Highway Name:	Alaska	Access	None

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Inactive

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

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

<b>LAB. TEST RESULTS</b>	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: Watson Lake

Borrow or Test Site No: 11

Location:	Highway No:	1	Side	R <input type="checkbox"/>	L <input type="checkbox"/>	?	Distance:	Adjacent
MP	633.8	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 <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	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
		100	98	97	95	32	5			

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 12

Location: Highway No: 1  
MP 635.7 KP Highway Name: AlaskaSide R  L  Distance: 0.5 mi  
Access InaccessibleTenure: Gravel Pit Reserve Plan Yes  No 

Current Status: Inactive-Yukon Forest Products Log Storage Area, Immediately South of Pit

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: Oct/69		Sites Sampled: 2 Trenches		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	1'	1'	1'
	Material	7'		
Quantity:(CuYds) Estimated		Proven		
Remarks:				

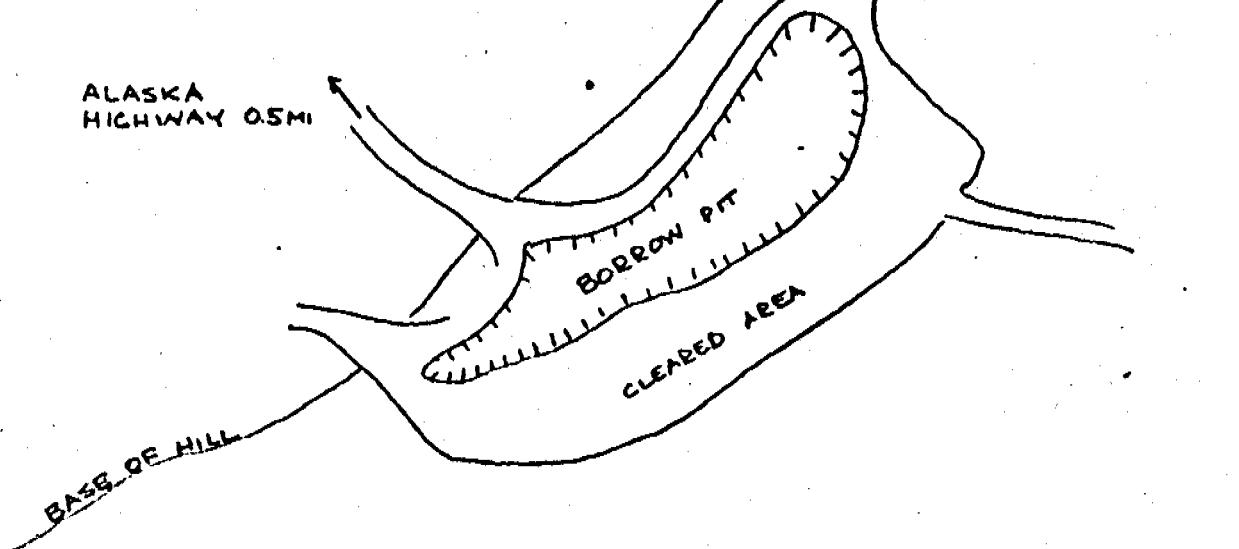
LAB. TEST RESULTS		Los Angeles Abrasion % Loss: 19.7				Crush Count:				
Other Tests:		Petrographic Analysis: Quartzite - 50%; Granite - 30%; Quartz - 10%; Schist - 10%								
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun		82	70	56	43	30	10	1	--	NP
Crush-3/4"			99	67	46	31	10	2	--	—
Crush - 1"		100	88	58	41	29	9	2		NP

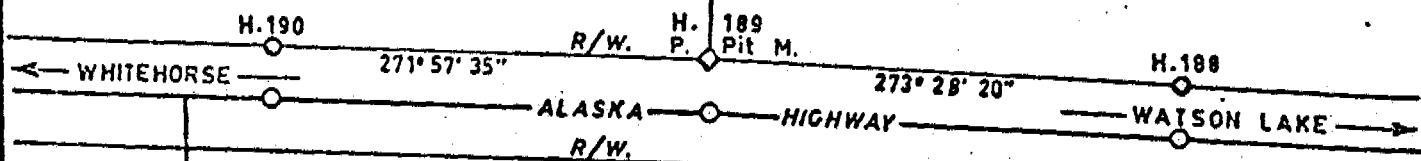
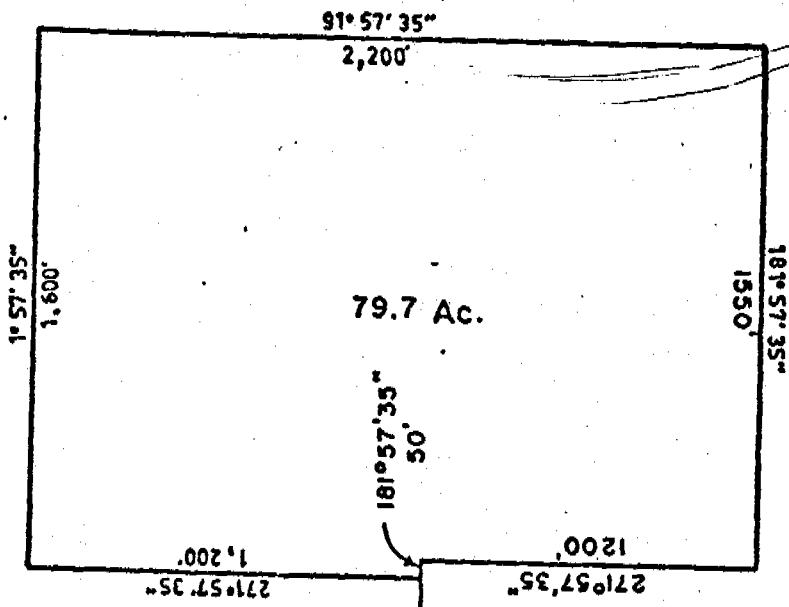
Potential Conflicts	Environmental:
	Land Use:

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

SITE NO. 12  
WATSON LAKE R.M.A.  
TEST SITE  
ALASKA HIGHWAY MP 635.7 RHS.  
SCALE 1 IN = 100 FT  
TEST PIT





M.P.  
636

*Original en file*



DEPARTMENT OF PUBLIC WORKS  
MINISTÈRE DES TRAVAUX PUBLICS  
WHITEHORSE Y.T.

Drawing title:  
Titre du dessin:  
**GRAVEL-PIT RESERVE**  
scale: 1" = 600'      R.H.S.  
échelle: 1" = 600'      R.H.S.  
ALASKA HIGHWAY  
M.P. 635.69

designed by: conçu par:	data: date:
drawn by: dessiné par:	D.E. BEAUDOIN MARCH 1972
reviewed by: examiné par:	
approved by: approuvé par:	
project no.: no. du projet:	
draw. no. dessin no.:	22-22

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 13

Location:	Highway No:	<input type="text" value="1"/>	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	Adjacent
MP 636.6	KP	<input type="text"/>	Highway Name:	<input type="text" value="Alaska"/>	Access	Good

Tenure: Gravel Pit Reserve Plan	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Current Status: Inactive
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STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu.Yds.
	Description: Gently Rolling	Tree Cover:	Med. Spruce, Pine
	Material: Gravel and Sand	Deposit:	Glacial Outwash
	Past Use: Surfacing, Sanding	Date:	
Performance Rating:	Amount Used:		
Remarks:			

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: Oct/69		Sites Sampled: 3 Pits		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	4'	0'	
	Material	27'	10'	
Quantity:(CuYds) Estimated		100,000	Proven	
Remarks: Sand lenses and boulder can be expected throught the deposit.				

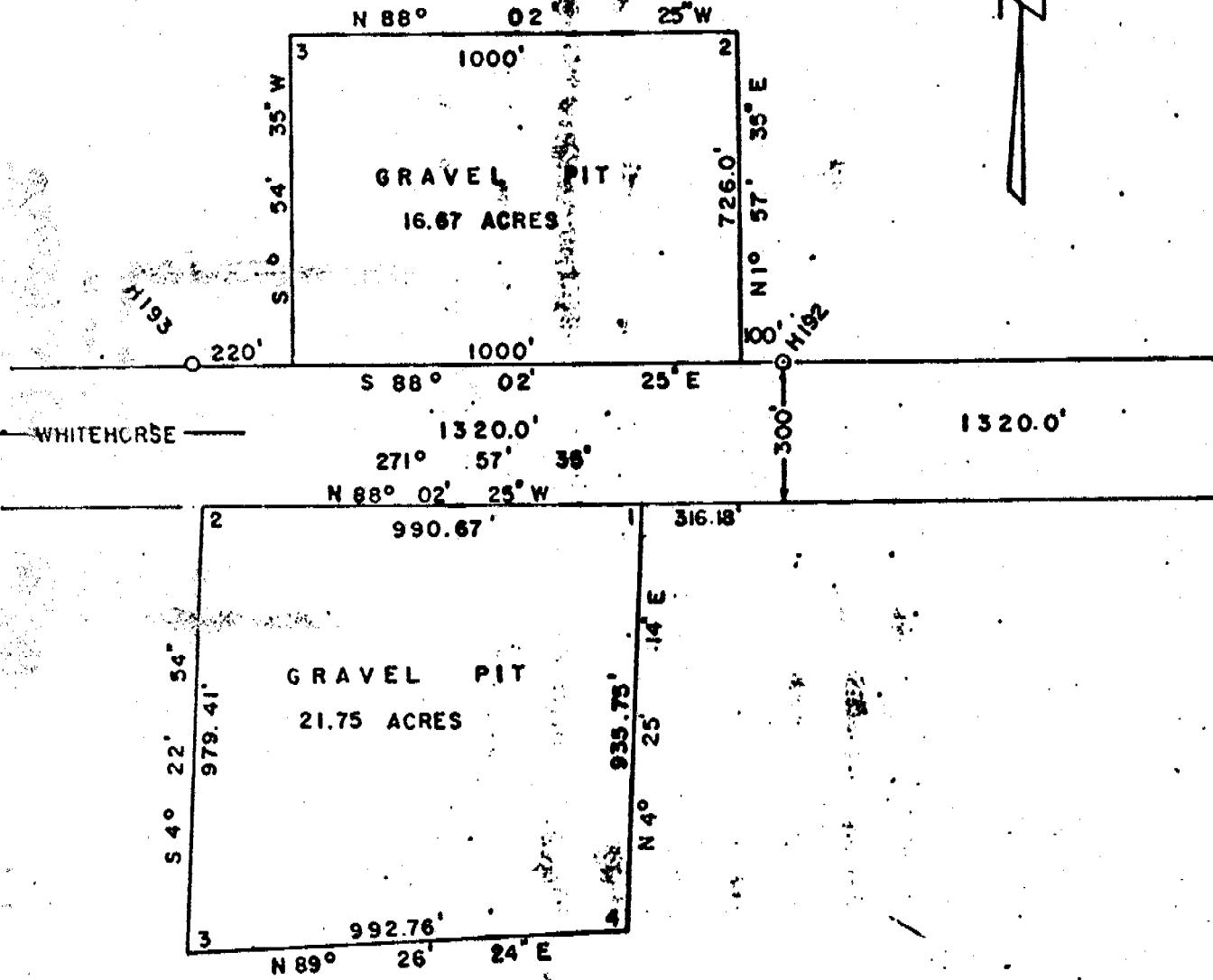
LAB. TEST RESULTS	Los Angeles Abrasion % Loss: 19.8 (1" crush)	Crush Count: 50% (1" crush)
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Other Tests:										
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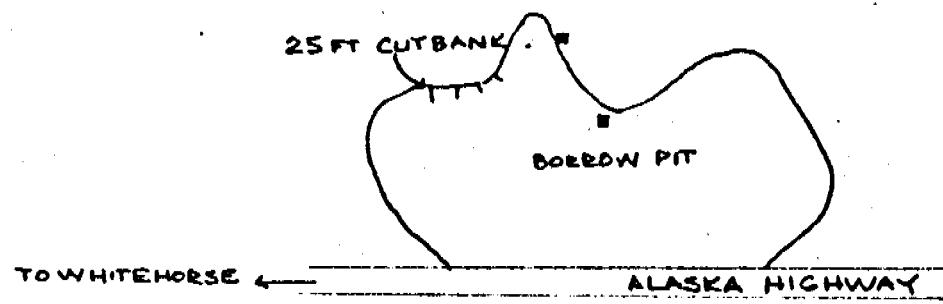
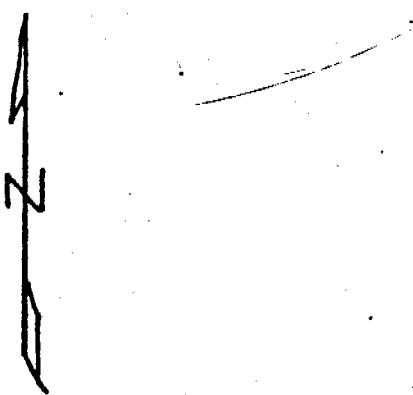
Grain Size Analysis		% Passing Sieve Size									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	
Pitrun-Gravel		84	72	55	48	35	15	6	--	NP	
Crush-3/4"		100	99	71	50	37	15	6	--	NP	
Crush-1"		100	89	66	51	38	17	7	--	NP	
Pitrun (Silty Sand)		93	86	79	73	67	55	31	--	00	

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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<b>DEPARTMENT OF PUBLIC WORKS</b>  <b>CONSTRUCTION &amp; ENGINEERING</b>  <b>PACIFIC REGION</b>  <b>WHITEHORSE DISTRICT</b>	Drawing title: Titre du dessin: <b>GRAVEL PIT RESERVE</b>	designed by: concu par:  drawn by: dessiné par: <b>JUNE 1972</b>
	scale: échelle 1" = 400'	reviewed by: examiné par:  approved by: approuvé par:  project no.: no. du projet:  draw. no. dessin no.
	<b>ALASKA HIGHWAY</b> <b>M.P. 636.6</b>	



SITE NO 13  
WATSON LAKE R.M.A.  
TEST SITE  
ALASKA HIGHWAY MP 636 6 RHS  
SCALE 1IN = 200FT  
TEST PIT

## YUKON GRAVEL INV. TORY

R.M. Area: Watson Lake

Borrow or Test Site No: 14

Location:	Highway No:	<input type="text" value="1"/>	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	Adjacent
MP 636.7	KP	<input type="text"/>	Highway Name:	<input type="text" value="Alaska"/>	Access	Good

Tenure: Gravel Pit Reserve Appl.	Current Status: Inactive
Plan Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

STOCKPILE SITE TYPE	Date: <input type="text"/>	Amount: <input type="text"/>	Cu.Yds <input type="text"/>
	Description: Gently Rolling	Tree Cover: Moderate Pine	
HISTORY	Material: Gravel and Silty Sand	Deposit: Glacial Outwash	
	Past Use: Borrow - Crusher Site	Date: <input type="text"/>	
	Performance Rating: <input type="text"/>	Amount Used: <input type="text"/>	
Remarks: <input type="text"/>			

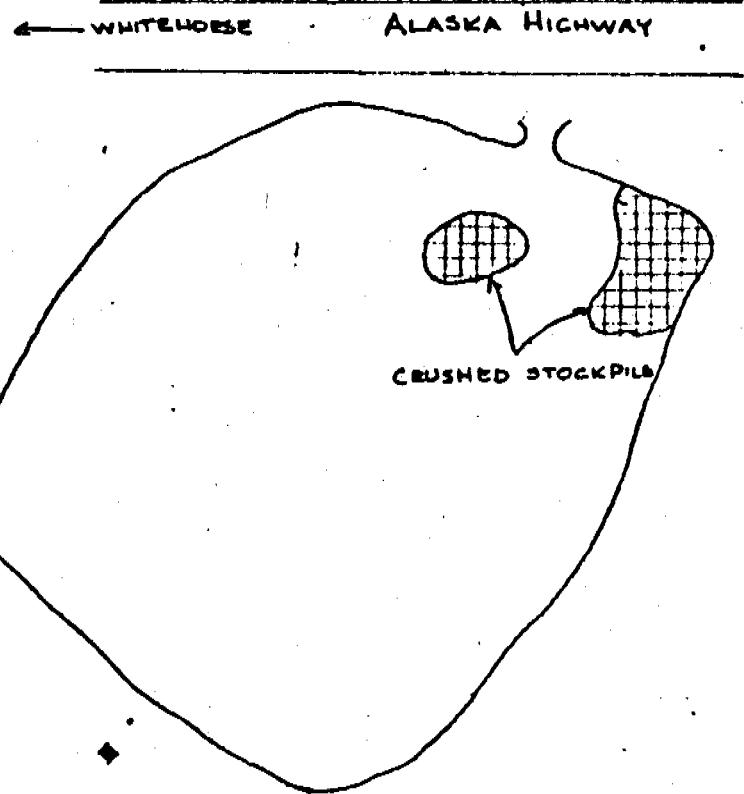
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>		
Date: Oct/69		Sites Sampled: 4 Pits			
SUBSURFACE TEST RESULTS	Depth	Max. <input type="text"/>	Min. <input type="text"/>	Average <input type="text"/>	
	Overburden	$\frac{1}{2}'$	0'		
	Material				
Quantity:(CuYds) Estimated		100,000	Proven		
Remarks: <input type="text"/>					

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: 20.3 (1" Crush)	Crush Count: 50% (1" crush)
Other Tests:	Petrographic Analysis: Quartzite - 50%; Quartz - 15%; Granite - 10%; Quartz Schist - 20%; Others - 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 Stockpile	87	77	59	46	33	8	3	--	NP		
Pitrun Material		100	99	96	91	45	8	--	NP		
Pitrun-Material	96	78	61	49	37	6	1	--	NP		
Crush - 4"		98	71	48	37	8	2	--	NP		
Crush - 1"		99	87	59	45	33	6	1	--	NP	

Potential Conflicts	Environmental: <input type="text"/>
	Land Use: <input type="text"/>

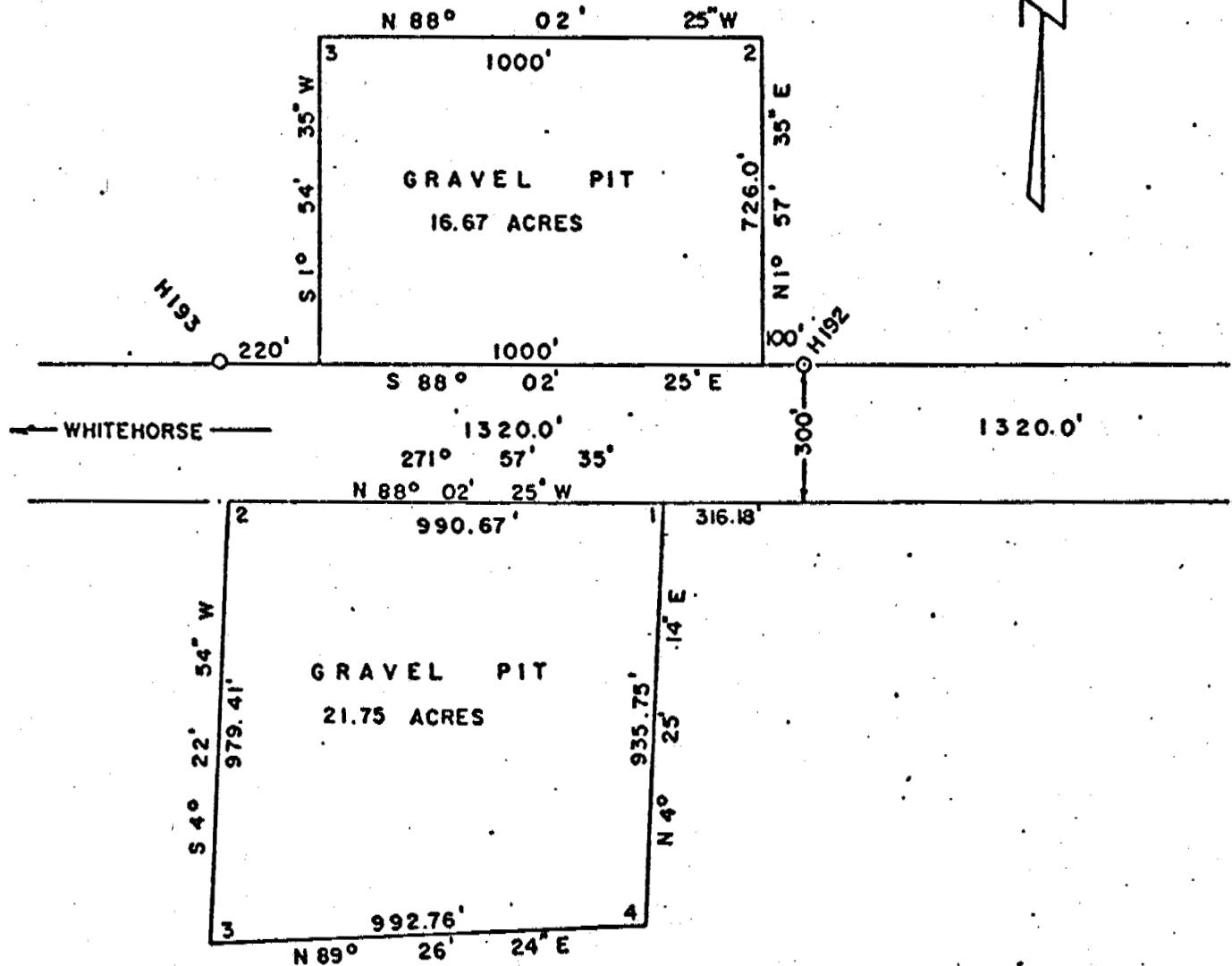
REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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SITE NO 14  
WATSON LAKE RMA.  
TEST SITE  
ALASKA HIGHWAY MP 636.7 LHS.

SCALE 1IN=100FT

■ 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. 636.6**

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

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 15

Location: Highway No: 1 Side R  L  Distance: Adjacent  
MP 639.5 KP Highway Name: Alaska Access

Tenure: Current Status: Inactive - Not Located  
Plan Yes  No

**STOCKPILE**

Date:

Amount:

Cu.Yds

**SITE**

Description:

Tree Cover:

**TYPE**

Material: Glacial Till

Deposit:

**HISTORY**

Past Use: Borrow - ?

Date:

Performance Rating:

Amount Used:

Remarks:

**TEST SUMMARY**

Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		

Date: May/63

Sites Sampled:

**SUBSURFACE TEST RESULTS**

Depth	Max.	Min.	Average
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Overburden

Material

Quantity:(CuYds) Estimated Proven

Remarks: Non-plastic fines - not suitable for surfacing.

**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 Stockpile		98	83	70	62	34	9	--		NP

Potential Conflicts

Environmental:

Land Use:

**REFERENCE:**

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 16

Location:	Highway No: 1	Side	Rx <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: 0.1 mi
MP 640.6	KP [ ]	Highway Name:	Alaska	Access Fair

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Inactive

STOCKPILE	Date:	Amount:	Cu.Yds.
	Description: Gentle Sidehill	Tree Cover: Heavy Spruce, Popl	
SITE	Material: Silt; sand, little gravel	Deposit:	
TYPE	Past Use: Surfacing	Date:	
HISTORY	Performance Rating: Poor	Amount Used:	
Remarks:			

TEST SUMMARY	Augered <input checked="" type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: Sept/70		Sites Sampled: 3 Holes		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks: Non-plastic fines, existing stockpile abandoned.				

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	9'		100	94	87	73	53	30	--	0.0
2	9'		100	92	77	Fines	Lost		17.3	3.6
3	9'		99	91	81	68	52	29	--	0.0

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 17

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 641.3	KP [ ]	Highway Name: Alaska	Access [ ]

Tenure: Gravel Pit Reserve Appl.	Current Status: Inactive
Plan Yes <input checked="" type="checkbox"/> No [ ]	

STOCKPILE	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: Moderate Sidehill	Tree Cover: Heavy Spruce, Pop.
SITE	[ ]	[ ]
TYPE	Material: Gravel	Deposit: [ ]
	Past Use: Borrow - Small Pit	Date: [ ]
HISTORY	Performance Rating: [ ]	Amount Used: [ ]
	Remarks: [ ]	

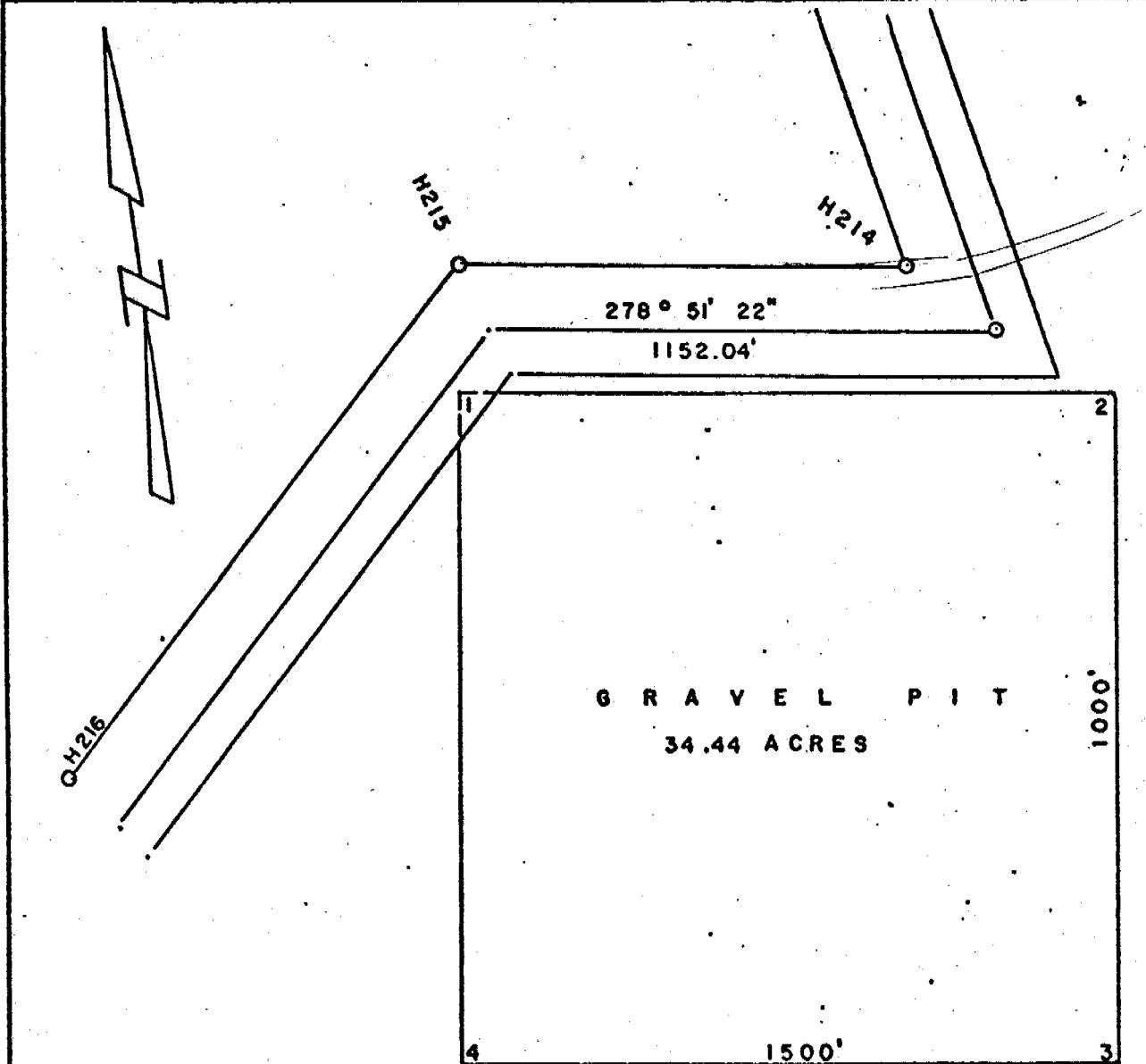
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>	<input checked="" type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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
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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. 641.3

designed by:  
conçu par:

JUNE 19

drawn by:  
dessiné par:

reviewed by:  
examiné par:

approved by:  
approuvé par:

project no.:  
no. du projet:

dwg no.:  
dessin no.:

LEGAL DESCRIPTION

GRAVEL PIT MILE 641.3

Commencing at Legal Survey Monument H-215 on a true bearing of 188 degrees 51 minutes for a distance of 300 feet to post #1; thence on a true bearing of 98 degrees 51 minutes for a distance of 1500 feet to post #2; thence on a true bearing of 185 degrees 51 minutes for a distance of 1000 feet to post #3; thence on a true bearing of 278 degrees 51 minutes for a distance of 1500 feet to post #4; thence on a true bearing of 8 degrees 51 minutes for a distance of 1000 feet to post #1 point of commencement.

NOTE:

Line cut and surveyed

Nov. 4/54

Magnetic declination 33 degrees 00 minutes allowed.

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 18

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 642.5	KP <input type="checkbox"/>	Highway Name: Alaska	Access <input type="checkbox"/>

Tenure: Gravel Pit Reserve Appl Plan	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Current Status: Not developed.
--------------------------------------	---	-----------------------------	--------------------------------

STOCKPILE SITE TYPE	Date: <input type="text"/>	Amount: <input type="text"/>	Cu.Yds <input type="text"/>
	Description: Flat	Tree Cover: <input type="text"/>	
HISTORY	Material: Gravel	Deposit: <input type="text"/>	
	Past Use: Borrow - ?	Date: <input type="text"/>	<input type="checkbox"/>
	Performance Rating: <input type="text"/>	Amount Used: <input type="text"/>	<input type="checkbox"/>
Remarks: <input type="text"/>			

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

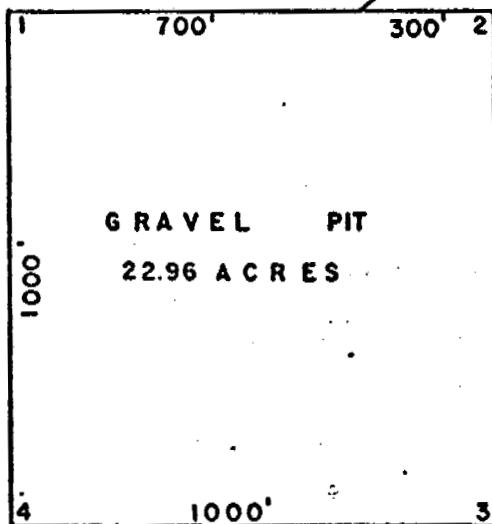
LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <input type="text"/>	Crush Count: <input type="text"/>
Other Tests: <input type="text"/>		

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: <input type="text"/>
	Land Use: <input type="text"/>

REFERENCE:	DPW Legal File; Federal Lands Office
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M.P. 642



H219 H218

224° 1367' 28° 29°  
1650'

4217

183°

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. 642.5**

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



LEGAL DESCRIPTION  
GRAVEL PIT MILE 642.5

Commencing at Legal Survey Monument H-217 on a true bearing of 134 degrees 38 minutes for a distance of 183.0 feet; thence on a true bearing of 219 degrees 38 minutes for a distance of 700 feet to post #1; thence on a true bearing of 79 degrees 38 minutes for a distance of 1000 feet to post #2; thence on a true bearing of 169 degrees 38 minutes for a distance of 1000 feet to post #3; thence on a true bearing of 259 degrees 38 minutes for a distance of 1000 to post #4; thence on a true bearing of 349 degrees 38 minutes for a distance of 1000 feet to post #1 point of commencement.

NOTE:

Lines cut and surveyed

Nov. 8/54

Magnetic declination 33 degrees 00 minutes allowed.

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 19

Location: Highway No: 1 Side R  L  Distance: \_\_\_\_\_  
 MP 645.7 KP \_\_\_\_\_ Highway Name: Alaska Access: \_\_\_\_\_

Tenure: Current Status:  
 Plan Yes  No

**STOCKPILE**

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

Amount: Cu. Yds

**SITE**

Description: \_\_\_\_\_

Tree Cover: \_\_\_\_\_

**TYPE**

Material: Clean Gravel

Deposit: Glacial Outwash

**HISTORY**

Past Use: \_\_\_\_\_

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

Performance Rating: \_\_\_\_\_

Amount Used: \_\_\_\_\_

Remarks: \_\_\_\_\_

**TEST SUMMARY**

Augered <input checked="" type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	

Date: Sept/70

Sites Sampled: \_\_\_\_\_

**SUBSURFACE TEST RESULTS**

Depth	Max.	Min.	Average
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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-8	9'-15'	98	81	63	55	50	29	2		NP
Crush-3/4"	8 10'-20'	"	96	49	33	27	9	2		NP

Potential Conflicts

Environmental: \_\_\_\_\_

Land Use: \_\_\_\_\_

**REFERENCE:**

DPW Materials Inventory; Alaska Highway Technical Data

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 20

Location:  
MP 643.9

Highway No: 1

KP [ ]

Highway Name: Alaska

Side R  L

Distance: Adjacent  
Access Good

Tenure:

Plan

Yes

No

Current Status: Inactive

STOCKPILE

Date:

Amount:

Cu.Yds

SITE

Description: Flat

Tree Cover: Heavy Spruce, Pop

TYPE

Material: Gravel

Deposit:

HISTORY

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
Lab. Test	<input type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		

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: Watson Lake

Borrow or Test Site No: 21

Location:	Highway No:	1	Side:	R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance:	0.1 mi
MP 644	KP		Highway Name:	Alaska	Access	Fair

Tenure:	Current Status:		Inactive
Plan	Yes	No	

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

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

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

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

REFERENCE:	
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## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 22

Location:	Highway No:	<input type="text"/> 1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	0.1 mi
MP	644.0	KP	Highway Name:	Alaska	Access	Good

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status: Inactive - Now used as garbage pit
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STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu.Yds.
	Description: Flat	Tree Cover: Heavy Spruce, Pine	
	Material: Gravel	Deposit:	
	Past Use: BORROW	Date:	
Performance Rating:	Amount Used:		
Remarks:			

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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:
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REFERENCE:	
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**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 23

Location:	Highway No: 1	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 648	KP [ ] Highway Name: Alaska	Access [ ]	

Tenure:	Current Status:		
Plan	Yes [ ]	No [ ]	

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 <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	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	
							14	2			
							14	2			

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

R.M. Area: Watson Lake

Borrow or Test Site No: 24

Location:	Highway No: 1	Side: R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 648.2	KP	Highway Name: Alaska	Access

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status:
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STOCKPILE SITE TYPE	Date: _____	Amount: _____ Cu.Yds.
	Description: _____	Tree Cover: _____
HISTORY	Material: Silty Sand	Deposit: _____
	Past Use: _____	Date: _____
	Performance Rating: _____	Amount Used: _____
Remarks: _____		

TEST SUMMARY	Augered <input checked="" type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>
Date: July/70		Sites Sampled: 3 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
Pitrun-8	to 18'	100	89	76	64	18	6	1	18.0	4.1

Potential Conflicts	Environmental: _____
	Land Use: _____

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

R.M. Area: Watson Lake

Borrow or Test Site No: 25

Location:	Highway No:	1	Side:	R <input type="checkbox"/> L <input checked="" type="checkbox"/> x	Distance:	Adjacent
MP 648.3	KP	Highway Name:	Alaska		Access:	Good

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Inactive

<b>STOCKPILE SITE TYPE HISTORY</b>	Date:	Amount:	Cu. Yds.
	Description: Flat		Tree Cover: Heavy Spruce
	Material: Gravel		Deposit:
	Past Use: <i>Recreational</i>	Date:	
Performance Rating:		Amount Used:	
Remarks:			

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

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

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

REFERENCE:	
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## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 26

Location:  
MP 649.4Highway No: 1  
KP Highway Name: AlaskaSide R  L Distance: Adjacent  
Access:Tenure:  
PlanYes  No 

Current Status:

Inactive

STOCKPILE

Date:

Amount: Cu.Yds.

SITE

Description: Steep Sidehill

Tree Cover: Moderate Poplar

TYPE

Material: Silty Sand

Deposit: Glacial Till

HISTORY

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

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

Date: Oct/70

Sites Sampled: 1 Pit

SUBSURFACE TEST RESULTS

Depth Max. Min. Average  
Overburden 2'       
Material 18'

Quantity:(CuYds) Estimated Proven

Remarks: Exposed bank along road cut, non plastic fines, not suitable for surfacing

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	89	74	59	46	28	18	--	0
Crush - 3/4"			98	76	59	44	24	15	--	0

Potential Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 27

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 651.2	KP [ ] Highway Name: Alaska	Access	Good

Tenure: Gravel Pit Reserve Plan	Current Status: Inactive
Yes <input checked="" type="checkbox"/>	No [ ]

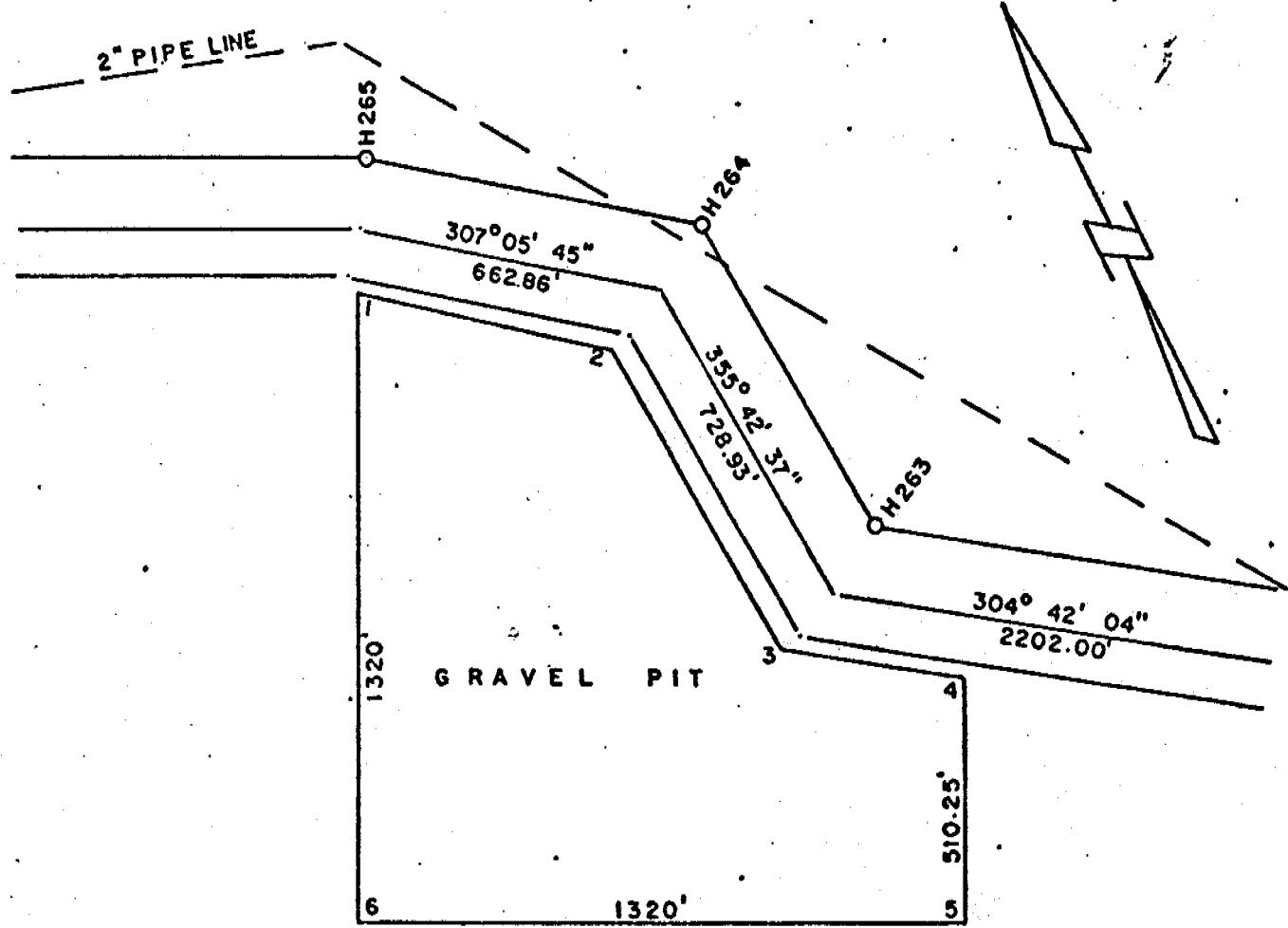
STOCKPILE SITE TYPE	Date: [ ]	Amount: Cu.Yds
	Description: Moderate Slope	Tree Cover: Heavy Pine
HISTORY	Material: Clay, Gravel	Deposit: [ ]
	Past Use: Borrow	Date: [ ]
	Performance Rating: [ ]	Amount Used: [ ]
Remarks: [ ]		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
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
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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:
scale: échelle: $1:400'$		drawn by: dessiné par:
		reviewed by: examine par:
		approved by: approuve par:
	ALASKA HIGHWAY M.P. 651.2	project no.: no. du projet.
		dwg no. dessin no.

JUNE 1972

drawn by:  
dessiné par:

reviewed by:  
examine par:

approved by:  
approuve par:

project no.:  
no. du projet.

dwg no.  
dessin no.

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No:

28

Location:  
MP 651.5

Highway No: 1

KP Highway Name: Alaska

Side R  L  x

Distance: Adjacent  
Access Excellent

Tenure:  
Plan

Yes  No

Current Status:

Inactive - Adjoins pit at MP 651.2

STOCKPILE

Date:

Amount:

Cu.Yds

SITE

Description:

Tree Cover:

TYPE

Material: Glacial Till

Deposit:

HISTORY

Past Use: Borrow - Surfacing

Date: 1960

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		

Date: June/60

Sites Sampled:

SUBSURFACE  
TEST RESULTS

Depth	Max.	Min.	Average
-------	------	------	---------

Overburden

Material

Quantity:(CuYds) Estimated Proven

Remarks: Non plastic fines, not suitable for surfacing

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	89	80	73	65	48	25	--	--
Crush			100	82	63	47	34	17	--	--

Potential  
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 29

Location:	Highway No: 1	Side: R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance: Adjacent
MP 651.9	KP [ ]	Highway Name: Alaska	Access [ ]

Tenure: Gravel Pit Reserve Appl Plan	Yes <input checked="" type="checkbox"/>	No [ ]	Current Status: Net developed
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STOCKPILE	Date: [ ]	Amount: Cu. Yds. [ ]
	Description: [ ]	Tree Cover: [ ]
SITE	Material: [ ]	Deposit: [ ]
	Past Use: [ ]	Date: [ ]
TYPE	Performance Rating: [ ]	Amount Used: [ ]
	Remarks: [ ]	[ ]

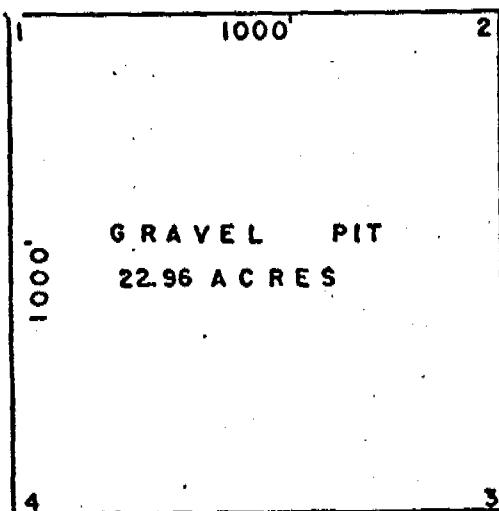
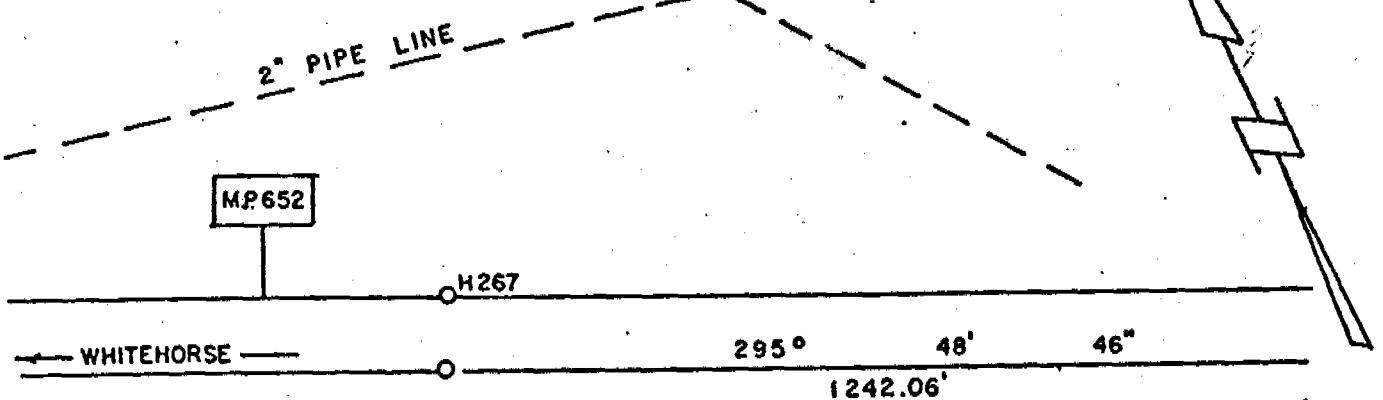
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
Date: [ ]		Sites Sampled: [ ]		
SUBSURFACE 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
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<p>DEPARTMENT OF PUBLIC WORKS CONSTRUCTION &amp; ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT</p>	<p>Drawing title: Titre du dessin:</p> <p><b>GRAVEL PIT RESERVE</b></p> <p>scale: échelle: 1" = 400'</p>	<p>designed by: conçu par</p> <p>drawn by: dessiné par</p> <p>reviewed by: examiné par</p> <p>approved by: approuvé par</p> <p>project no.: no. du projet</p>
	<p>JUNE 1972</p>	<p>dwg no.: dessin no.</p>
<p>ALASKA HIGHWAY M.P. 651.9 ±</p>		

YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 30

Location: Highway No: 1 Side R  L  Distance: 0.15 Mi.  
 MP 654.1 KP Highway Name Alaska Access Good

Tenure: Gravel Pit Reserve Current Status: Active  
 Plan Yes  No

**STOCKPILE**

Date: June/77

Crush Amount: + 15,000 Cu.Yds

**SITE**

Description:

Tree Cover: Med. Spruce, Pine

**TYPE**

Material: Clayey Silty Sandy Gravel

Deposit: Ground Moraine

**HISTORY**

Past Use: Borrow - Surfacing

Date: July/71

Performance Rating:

Amount Used:

Remarks:

**TEST SUMMARY**

Augered	<input type="checkbox"/>	Pitted	<input checked="" type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input checked="" type="checkbox"/>	Crushed:	<input type="checkbox"/>		

Date: Oct/70

Sites Sampled: 18 Pits

**SUBSURFACE TEST RESULTS**

Depth	Max.	Min.	Average
Overburden	2'	1'	1.3'
Material	14'	14'	14'

Quantity (CuYds) Estimated 500,000 Proven

Remarks: Area becomes soft and wet during spring thaw. Considerable.

**LAB. TEST RESULTS**

Los Angeles Abrasion % Loss:

Crush Count:

Other Tests: Petrographic Analysis: Quartzite - 40%; Quartz - 20%; Calcareous - 20%; Graphitic - 5%; Other - 5%;  
 Pit 16: Angular - 80%; Subangular - 20%

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 Pit run-Av. 18 pits		79	70	65	56	51	40	24	17	4
Crush-3/4" Av. 18 pits			97	76	63	56	41	25	17	4
Crush-3/4" 1971			100	87	79	70	45	23	17.2	4.3
Crush Contract										

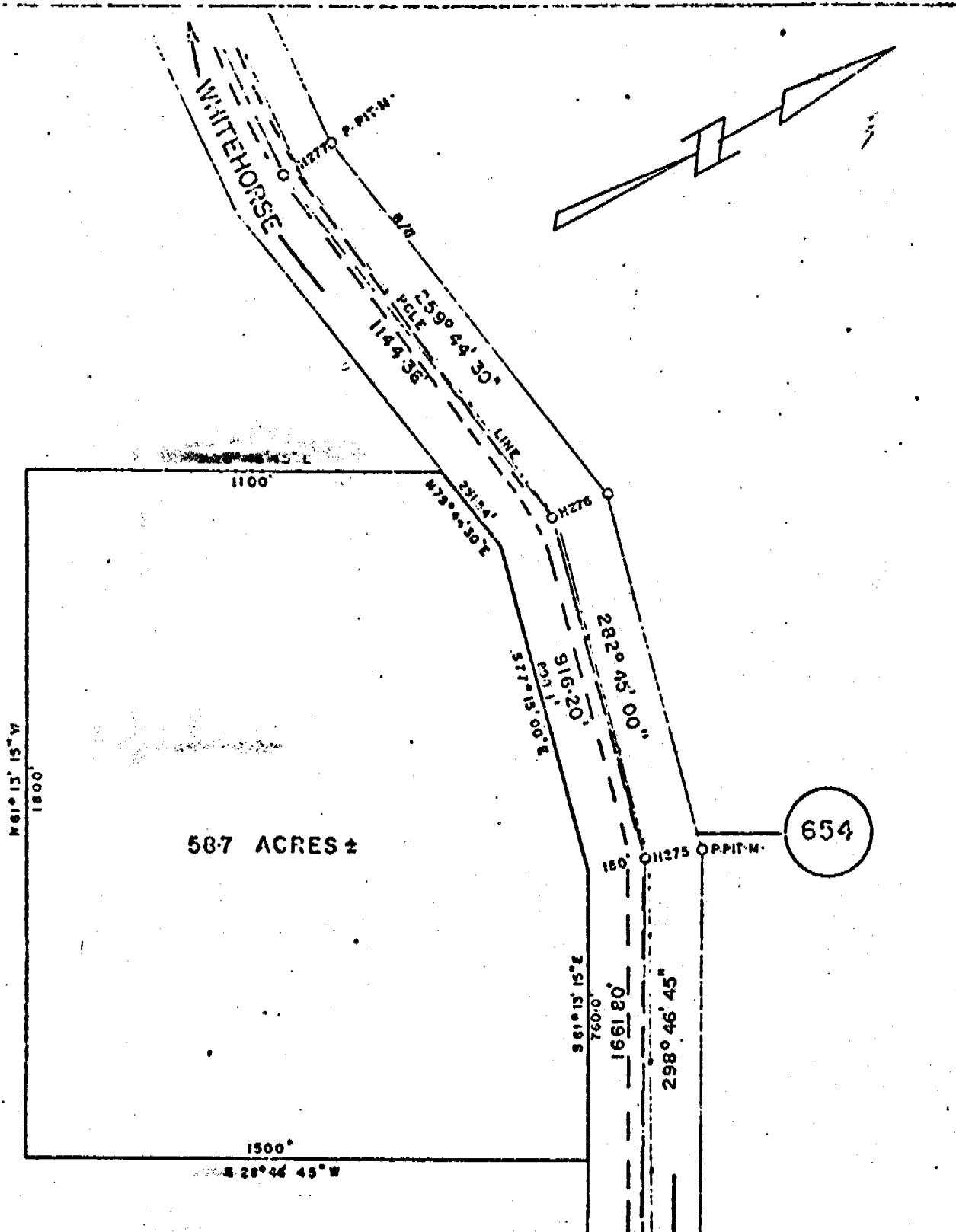
Potential Conflicts

Environmental:

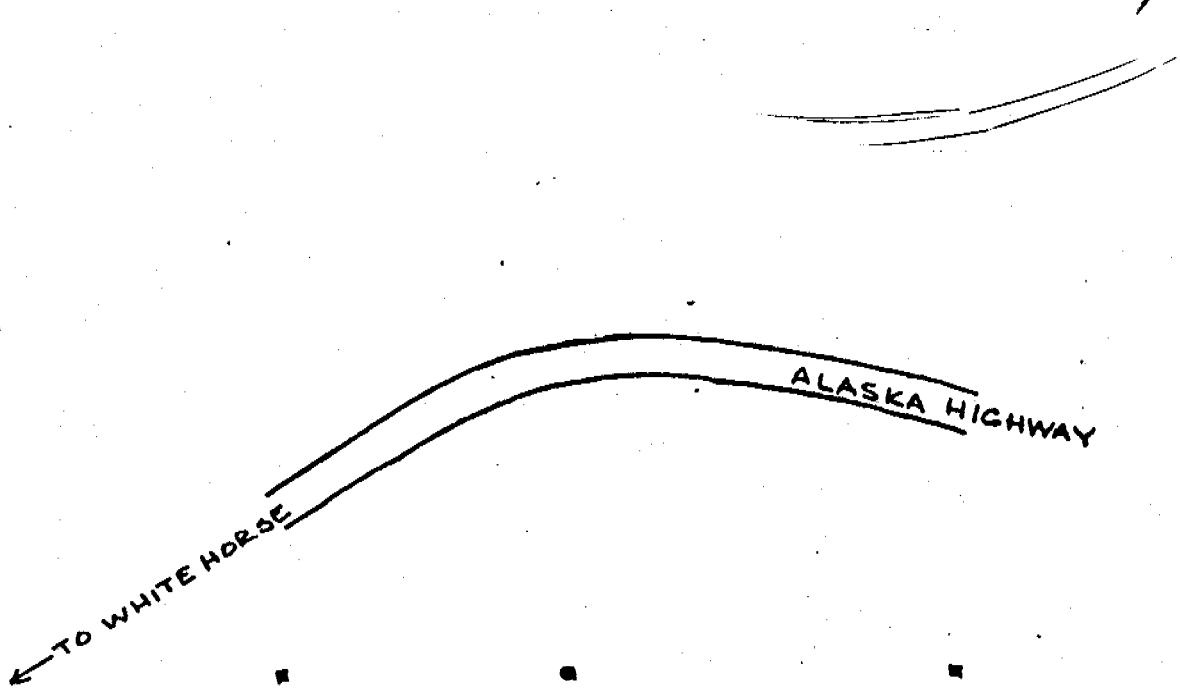
Land Use:

**REFERENCE:**

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



Drawing title:		designed by: A. S.	dated:
GRAVEL PIT		checked by: N.L.	
size: 11" x 400"		reviewed by:	
JAN 1971		approved by:	
ALASKA HIGHWAY M.P. 654.1 (L.H.S.)		proj. no.:	dwg. no.:
		T.S.T.(1)	22-37



SITE NO 30  
WATSON LAKE R.M.A.  
TEST AREA  
ALASKA HIGHWAY MP 654.1 LHS  
1 IN = 200 FT  
■ TEST PIT

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 31

Location:	Highway No: 1	Side: R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 654.3	KP	Highway Name: Alaska	Access

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

<b>STOCKPILE SITE TYPE HISTORY</b>	Date:	Amount:	Cu.Yds
	Description:	Tree Cover:	
	Material: Sand, Clay Mixture	Deposit:	Glacial Till
	Past Use:	Date:	
Performance Rating:	Amount Used:		
Remarks:			

<b>TEST SUMMARY</b>	Augered <input checked="" type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	Date: Sept/70	Sites Sampled: 1 Hole		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks:				

<b>LAB. TEST RESULTS</b>	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	10'		100	97	92	86	71	48	24.6	10.3	

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

<b>REFERENCE:</b>	DPW Material Inventory; Alaska Highway Technical Data
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**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 32

Location:	Highway No: 1	Side: R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 654.9	KP [ ]	Highway Name: Alaska	Access Good

Tenure:	Current Status: Inactive		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

<b>STOCKPILE SITE TYPE HISTORY</b>	Date: [ ]	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Heavy Pine
	Material: Clay, Gravel	Deposit: [ ]
	Past Use: Borrow	Date: [ ]
Performance Rating: [ ]	Amount Used: [ ]	
Remarks: [ ]		

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	Date: [ ]	Sites Sampled: [ ]		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity:(CuYds)	Estimated	Proven	
Remarks: [ ]				

<b>LAB. TEST RESULTS</b>	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: Watson Lake

Borrow or Test Site No: 33

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	0.25 mi
MP 656.3	KP		Highway Name:	Alaska	Access	Good

Tenure: Gravel Pit Reserve Appl.	Current Status: Inactive
Plan Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

STOCKPILE SITE TYPE	Date:	Amount:	Cu.Yds.
	Description: Flat	Tree Cover: Heavy Pine	
HISTORY	Material: Glacial Till	Deposit:	
	Past Use: Borrow - Surfacing	Date: 1962	
	Performance Rating: Fair	Amount Used:	
Remarks:			

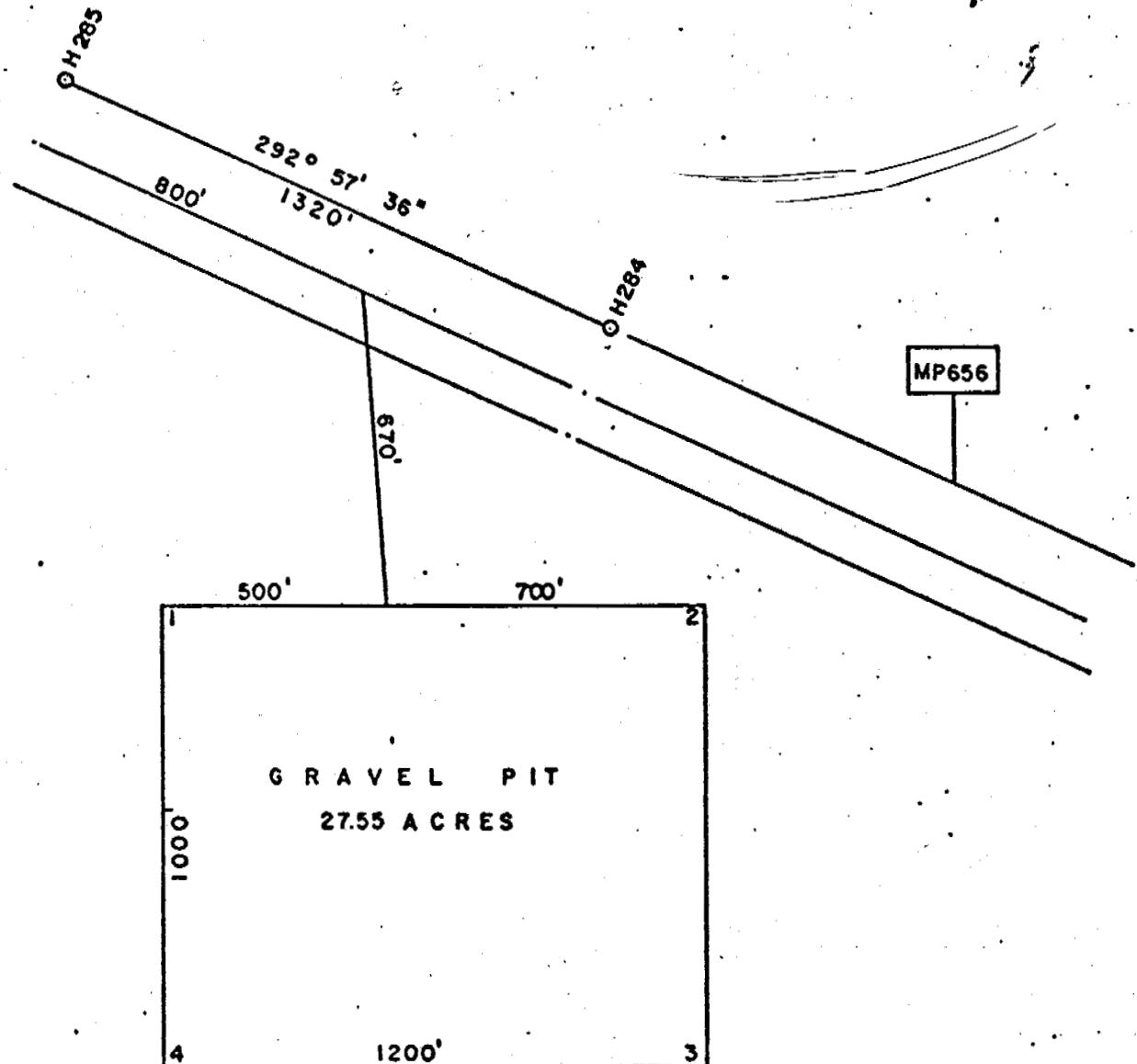
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: Sept/70		Sites Sampled: 24 Holes		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	0'	0'	0'
	Material	15'	5'	15'
Quantity:(CuYds) Estimated		Proven		
Remarks: Similar to 654.1 but with lower overall P.I. and less rock.				

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.	15 pits	100	97	84	72	60	43	18	18	3	

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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 <p>DEPARTMENT OF PUBLIC WORKS CONSTRUCTION &amp; ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT</p>	<p>Drawing title: Titre du dessin:</p> <p><b>GRAVEL PIT RESERVE</b></p> <p>scale: échelle: 1" : 400'</p>	<p>designed by, conçu par:</p> <p><b>JUNE 1972.</b></p> <p>drawn by, dessiné par:</p> <p>reviewed by, examine par:</p> <p>approved by, approuvé par:</p> <p>project no. no. du projet:</p>
	<p><b>ALASKA HIGHWAY</b></p> <p>M. P. 656.3</p>	<p>dwg. no. dessin no.</p>

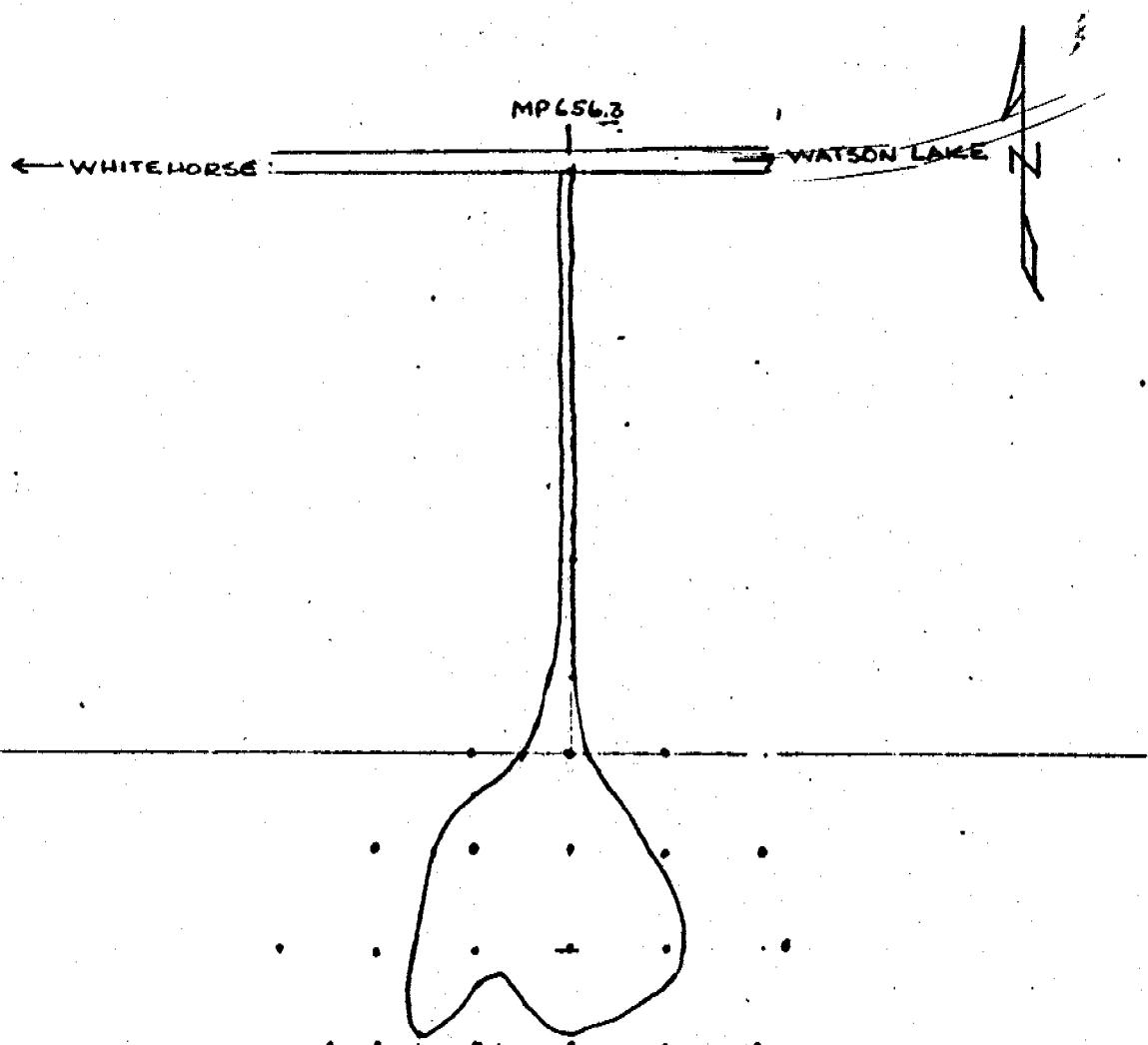
LEGAL DESCRIPTION  
GRAVEL PIT MILE 656.3

Commencing at Legal Survey Monument H-285 on a true bearing of 202 degrees 57 minutes for a distance of 146.0 feet; thence on a true bearing of 112 degrees 57 minutes for a distance of 800.0 feet; thence on a true bearing of 173 degrees 57 minutes for a distance of 670.0 feet; thence on a true bearing of 268 degrees 57 minutes for a distance of 500 feet to post #1; thence on a true bearing of 88 degrees 57 minutes for a distance of 1200 feet to post #2; thence on a true bearing of 178 degrees 57 minutes for a distance of 1000 feet to post #3; then on a true bearing of 268 degrees 57 minutes for a distance of 1200 feet to post #4; thence on a true bearing of 358 degrees 57 minutes for a distance of 1000 feet to post #1 point of commencement.

NOTE:

Line cut and surveyed

Nov./54



SITE NO 33  
WATSON LAKE RMA  
BORROW PIT  
ALASKA HIGHWAY MP 666.3 LHS  
SCALE 1IN = 100 FT  
• TEST HOLES

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 34

Location: Highway No: 1  
MP 657.8 KP [ ]

Side R  L

Distance: Adjacent  
Access Good

Tenure:  
Plan Yes  No

Current Status:

Inactive

**STOCKPILE**

Date:

Amount: Cu.Yds.

**SITE**

Description: Flat

Tree Cover: Thick Pine

**TYPE**

Material: Clay

Deposit:

**HISTORY**

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

**TEST SUMMARY**

Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
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Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>
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Date: Sites Sampled:

**SUBSURFACE TEST RESULTS**

Depth	Max.	Min.	Average
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Overburden			
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Material			
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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
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Potential Conflicts

Environmental:

Land Use:

REFERENCE:

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 35

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 657.9	KP [ ]	Highway Name: Alaska	Access [ ]

Tenure: Plan Yes [ ]	No [ ]	Current Status: Inactive
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STOCKPILE SITE TYPE HISTORY	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: Steep Sidehill Tree Cover: Heavy Pine	
	Material: Clay	Deposit: [ ]
	Past Use: Borrow	Date: [ ]
Performance Rating: [ ]		Amount Used: [ ]
Remarks: [ ]		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
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:	[ ]
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YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 36

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance: Adjacent
MP 658.1	KP	Highway Name: Alaska	Access

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status: Inactive
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STOCKPILE SITE TYPE  HISTORY	Date:	Amount: Cu.Yds.
	Description: Moderate Slope	Tree Cover: Heavy Pine
	Material: Gravel	Deposit:
	Past Use: Borrow	Date:
Performance Rating:	Amount Used:	
Remarks:		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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:	
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**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 37

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance:	Adjacent
MP	659.7	KP	Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Inactive

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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: Watson Lake

Borrow or Test Site No: 38

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 663.1	KP [ ]	Highway Name: Alaska	Access Good

Tenure: Gravel Pit Reserve Appl.	Current Status: Inactive
Plan Yes <input checked="" type="checkbox"/> No [ ]	

STOCKPILE SITE TYPE	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: Flat	Tree Cover: Heavy Pine
HISTORY	Material: Silty Clayey Sand	Deposit: Glacial Till
	Past Use: Borrow - Surfacing	Date: July/70
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: [ ]		Sites Sampled: [ ]		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks: Crush stockpile.				

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	
			98	75	57	50	40	26	18.8	7.4	

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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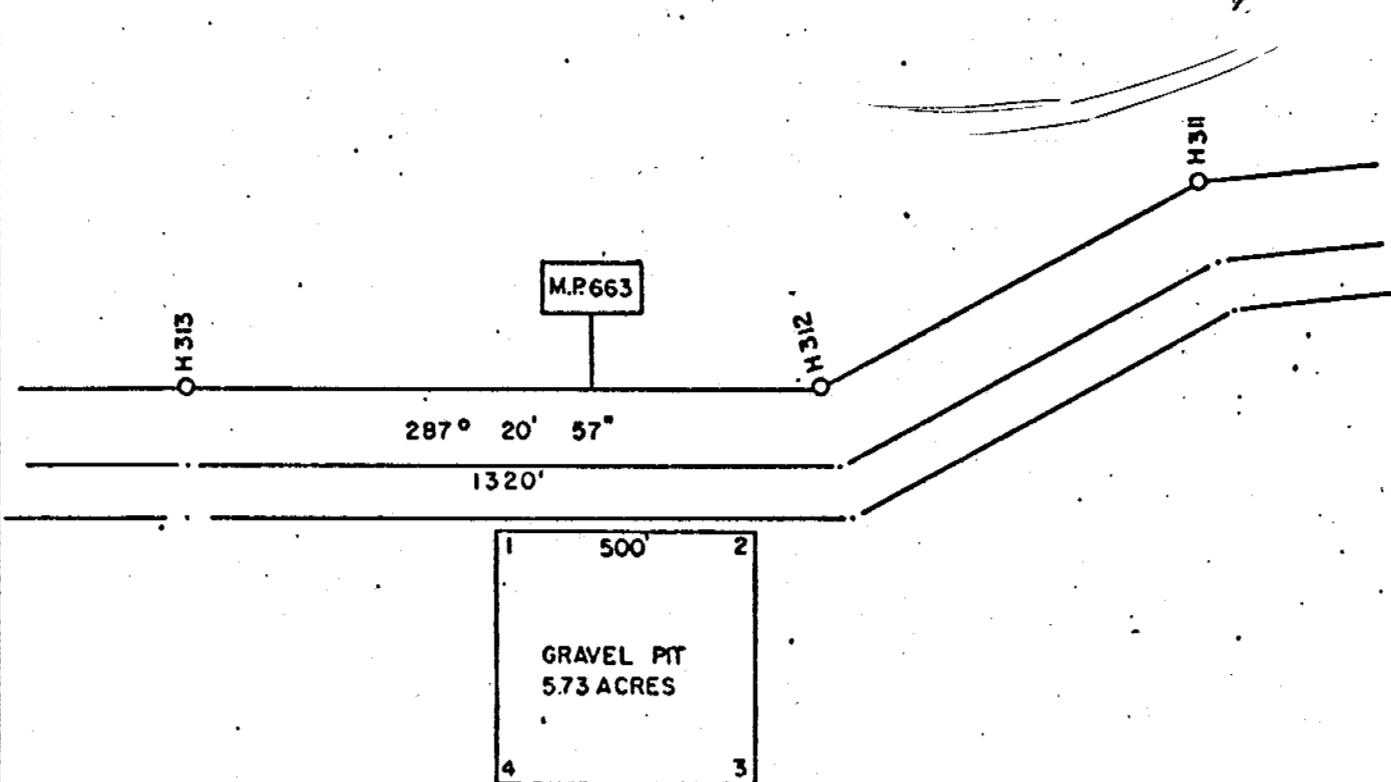
LEGAL DESCRIPTION  
GRAVEL PIT MILE 663.0  
LEFT HAND SIDE

Commencing at Legal Survey Monument H-312 on a true bearing of 287 degrees 20 minutes for a distance of 134.0 feet; thence on a true bearing of 197 degrees 20 minutes for a distance of 300.0 feet to post #2; thence on a true bearing of 197 degrees 20 minutes for a distance of 500 feet to post #3; thence on a true bearing of 287 degrees 20 minutes for a distance of 500 feet to post #4; thence on a true bearing of 17 degrees 20 minutes for a distance of 500 feet to post #1; thence on a true bearing of 107 degrees 20 minutes for a distance of 500 feet to post #2 point of commencement.

Note:

Line cut and surveyed

Nov./54



DEPARTMENT OF PUBLIC WORKS  
CONSTRUCTION & ENGINEERING  
PACIFIC REGION  
WHITEHORSE DISTRICT

Drawing title: Titre du dessin:	designed by: conçu par:	Date:
GRÁVEL PIT RESERVE	drawn by: dessiné par:	JUNE 1972
scale: 1" = 400' échelle:	reviewed by: examiné par:	
	approved by: approuvé par:	
ALASKA HIGHWAY M. P. 663	project no.: no. du projet:	dwg. no.: dessin no.:

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 39

Location:	Highway No:	1	Side:	R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance:	Adjacent
MP	667.0	KP	Highway Name:	Alaska	Access	

Tenure:			Current Status:	Inactive
Plan	Yes	No		

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

TEST SUMMARY	Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
	Lab. Test	<input type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
Date:		Sites Sampled:						
SUBSURFACE TEST RESULTS	Depth	Max.		Min.		Average		
	Overburden							
	Bottom							
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: Watson Lake

Borrow or Test Site No: 41

Location:	Highway No: 1	Side R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 668.0	KP [ ] Highway Name: Alaska	Access Good	

Tenure: Gravel Pit Reserve Plan	Yes <input checked="" type="checkbox"/> No [ ]	Current Status: Active
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STOCKPILE SITE TYPE  HISTORY	Date: June/77	Crush	Amount: ± 15,000 Cu.Yds.
	Description: Flat	Tree Cover: Mod. Spruce, Pine	
	Material: Sandy Clayey Gravel	Deposit:	
	Past Use: Borrow - Surfacing MP 661-76	Date: 1971 & 1967	Amount Used:
Performance Rating: Remarks:			

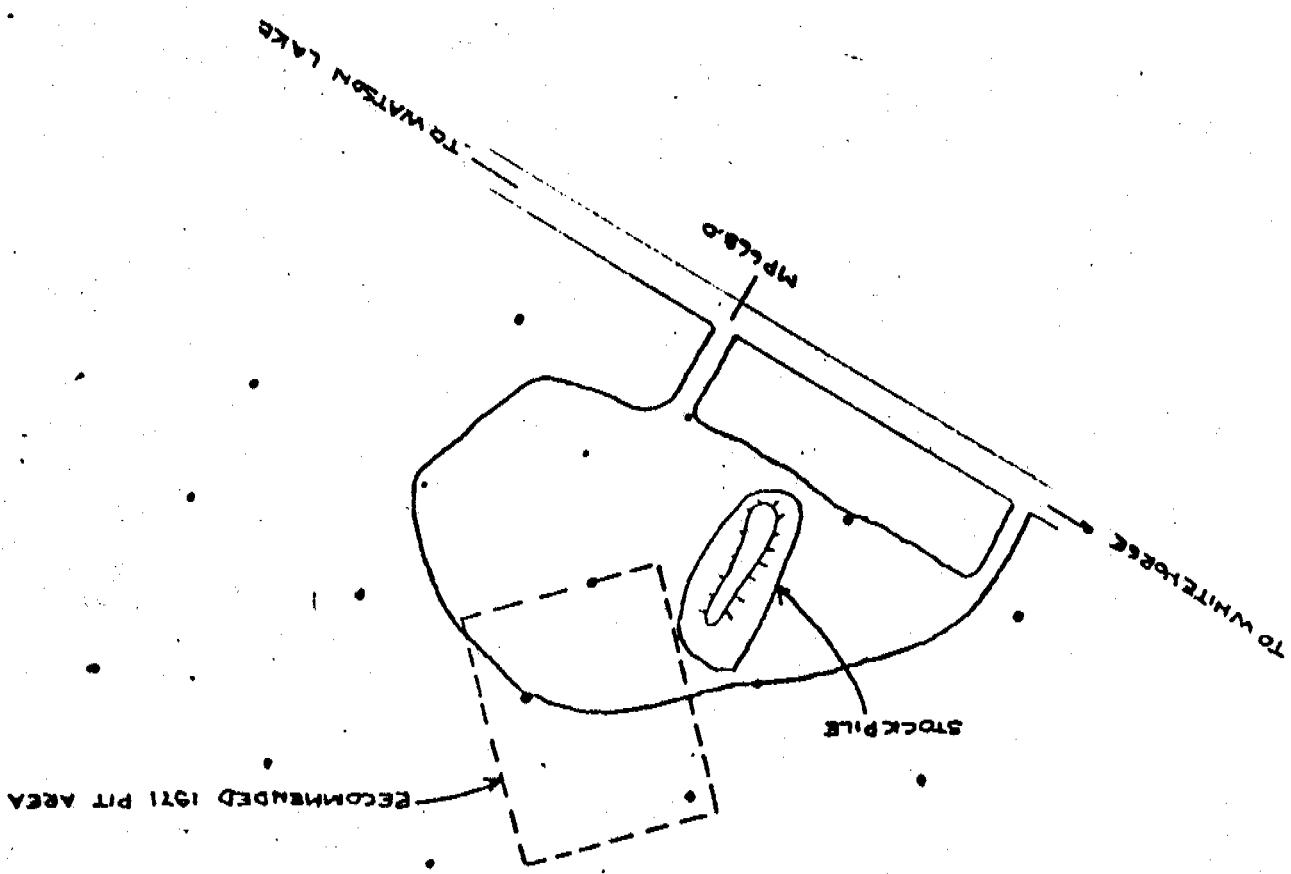
TEST SUMMARY	Augered <input checked="" type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: 1970		Sites Sampled: 23 Holes		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks: Some pockets with good P.I. but overall quality poor. Excessive non plastic fines.				

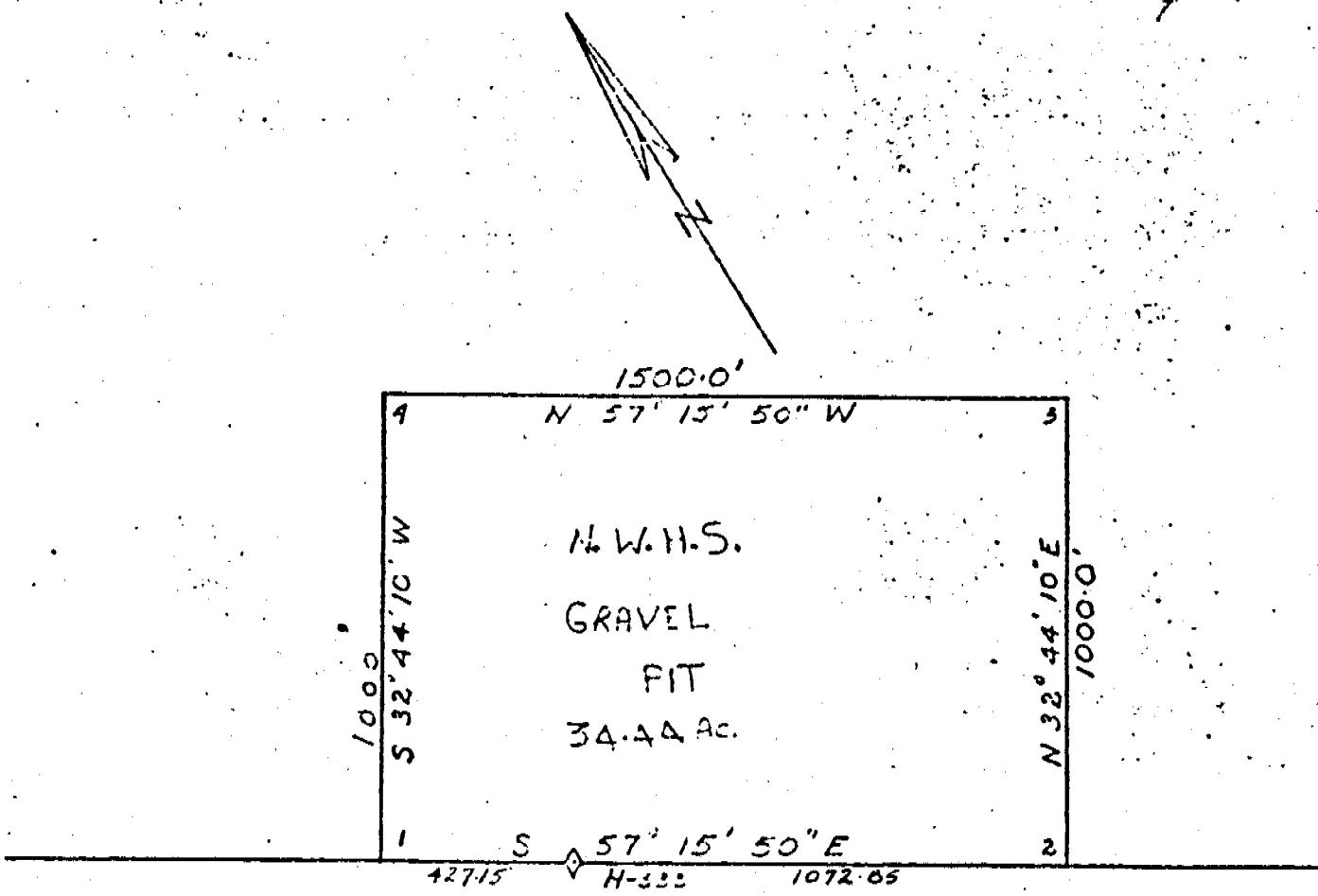
LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrunk-Av.	16 holes	100	96	88	74	71	55	36	7	1
1971 Crushing Contract		100	84	76	68	53	33	16	16	3
Av. 17 samples										

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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• TEST HOLE  
SCALE 1IN. = 200 FT  
ALASKA HIGHWAY MD 6680 RHS  
TEST AREA  
WATSON LAKE RMA  
SITE NO. 41





Plan of R.O.W.  
and  
Gravel PIT  
Mile 668.5,  
Scale 1" = 400'

DESCRIPTION OF GRAVEL PIT MILE 668.0

Commencing at Legal Survey Monument H 333 located on the northerly boundary of the Alaska Highway at Mile 668 more or less; thence on a true bearing N57°15'50" W for a distant of Four hundred twenty seven and fifteen one-hundredths feet (427.15 feet) to Post No 1; thence on a true bearing of S 57°15'50" E for a distant of Fifteen hundred feet (1500 feet) along the said northerly boundary of the Alaska Highway; thence northerly at a right angle to the last described course for a distant of One thousand feet (1000.0 feet) to Post No 3; thence westerly at right angles to previous described course for a distant of Fifteen hundred feet (1500.0 feet) to Post No 4; thence southerly at right angles to previous described course at distant of One thousand feet (1000.0 feet) more or less to Post No 1 lying on the northerly boundary of the Alaska Highway.

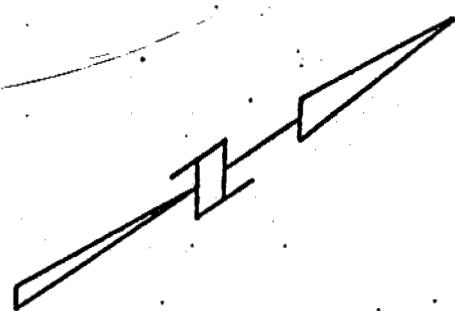
The land contained therein being 34.44 acres more or less.

OH333

M.P.668

WHITEHORSE

500'



250'

2

GRAVEL PIT  
144 ACRES

250'

250'

250'

3

OH332



DEPARTMENT OF PUBLIC WORKS  
CONSTRUCTION & ENGINEERING  
PACIFIC REGION  
WHITEHORSE DISTRICT

Drawing title:  
Titre du dessin:

GRAVEL PIT RESERVE

scale:  
échelle: 1" = 100'

ALASKA HIGHWAY  
M.P. 667.9

designed by:  
conçu par:

June

JUNE 1972

drawn by:  
dessiné par:

reviewed by:  
examiné par:

approved by:  
approuvé par:

project no.:  
no. du projet:

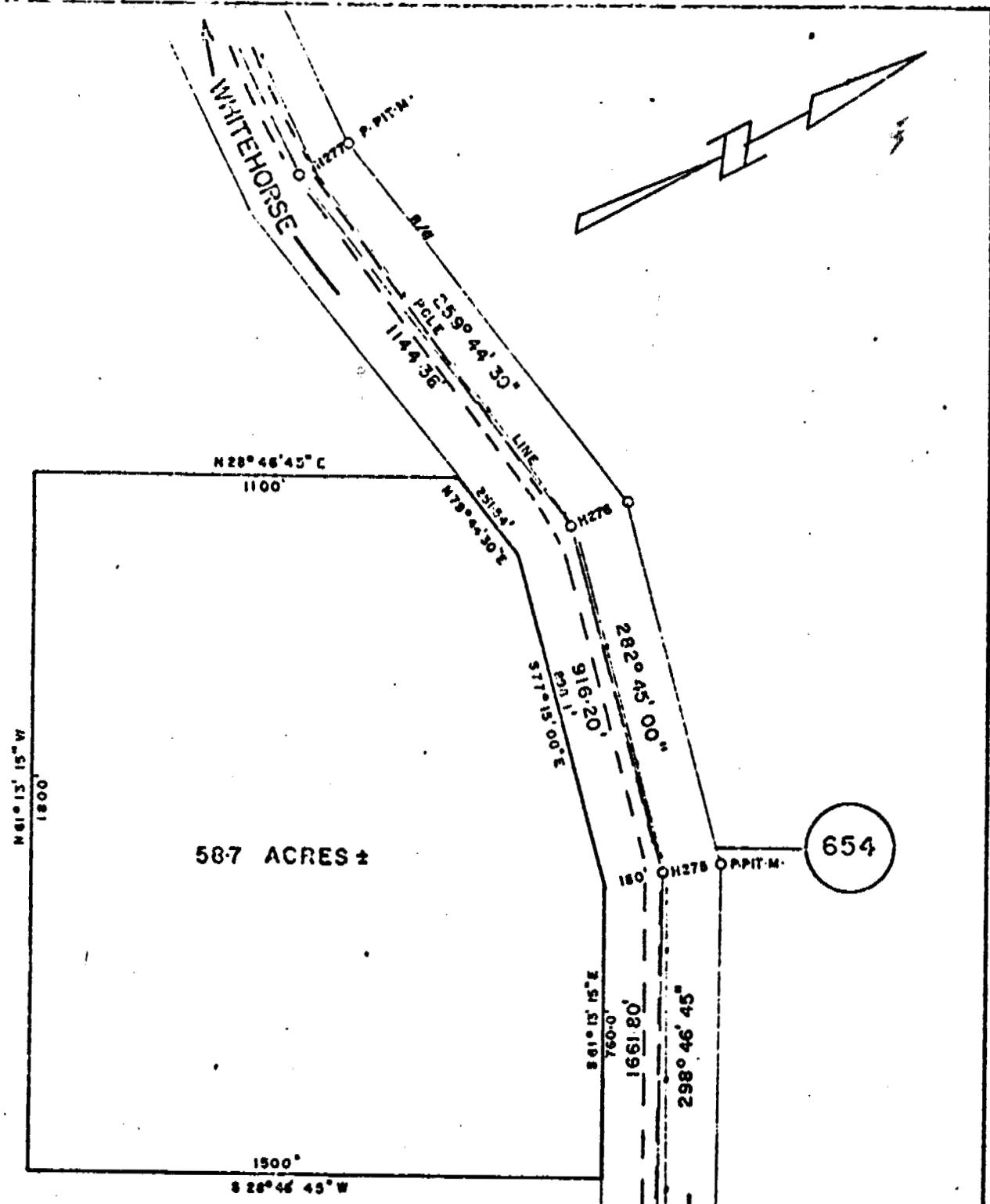
dwg. no.:  
dessin no.:

**LEGAL DESCRIPTION**  
**GRAVEL PIT MILE 667.9**

Commencing at Legal Survey Monument H-333 located on northeasterly boundary of the Alaska Highway at Mile 667.9 more or less; thence on a bearing of S 57 degrees 15' 50" E for a distance of five hundred feet (500 ft) to Post No 1; thence on a bearing of N 32 degrees 44' 10" E for a distance of two hundred and fifty feet (250 ft) to Post No 2; thence on a bearing of S 57 degrees 15' 50" E for a distance of two hundred and fifty feet (250 ft) to Post No 3; thence on a bearing of S 32 degrees 44' 10" W for a distance of two hundred and fifty feet (250 ft) to Post No 4, a point located on the said northeasterly boundary, seven hundred and fifty feet from Legal Survey Monument H-333; thence on a bearing of N 57 degrees 15' 50" W along said boundary for a distance of two hundred and fifty feet (250 ft) to Post No 1 point of commencement.

The land contained therein being 1.44 acres more or less.

Note: All bearings calculated from bearing between Legal Survey Monuments H-333 & H-332 as shown on the Plan of Right-of-Way of the Alaska Highway.



Drawing title:		designed by: V. S.	date:
GRAVEL PIT		drawn by: N.L.	
Scale: 1" = 400'		reviewed by:	
Date: JAN 1971		approved by:	
ALASKA HIGHWAY M.P. 654.1 (L.H.S.)		project no.:	dwg. no.:
		T.S.T.(-1)	28-37

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 42

Location:	Highway No:	1	Side R <input type="checkbox"/> L <input type="checkbox"/>	Distance: <input checked="" type="checkbox"/> Adjacent
MP 669.8	KP	Highway Name: Alaska	Access	<input type="checkbox"/> None

Tenure:	Current Status:		Inactive
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

<b>STOCKPILE SITE TYPE HISTORY</b>	Date:	Amount: Cu.Yds
	Description: Gentle Slope	Tree Cover: Heavy Pine
	Material: Gravel	Deposit:
	Past Use: Borrow - Reconstruction	Date:
Performance Rating:	Amount Used:	
Remarks:		

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

<b>LAB. TEST RESULTS</b>	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	

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

REFERENCE:	
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**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 43

Location:	Highway No:	1	Side:	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	Adjacent
MP 670.0	KP		Highway Name:	Alaska	Access	None

Tenure:	Current Status:		Inactive
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu.Yds.
	Description: Flat - Gently Rolling	Tree Cover: Thick Pine	
	Material: Gravel	Deposit:	
	Past Use: Borrow	Date:	July/64
Performance Rating:	Amount Used:		
Remarks:			

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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
		100	85	57	38	19	4	2	--	--

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 44

Location:	Highway No:	Side R <input type="checkbox"/> <input checked="" type="checkbox"/> L	Distance:	Adjacent
MP 673.0	KP	Highway Name: Alaska	Access	

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

<b>STOCKPILE SITE TYPE HISTORY</b>	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
	Material: Gravel	Deposit:
	Past Use:	Date: July/64
Performance Rating:	Amount Used:	
Remarks:		

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

<b>LAB. TEST RESULTS</b>	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
		86	73	57	47	40	16	2	--	--

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 45

Location:	Highway No: 1	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 673.2	KP [ ] Highway Name: Alaska	Access [ ]	

Tenure: Plan	Yes [ ]	No [ ]	Current Status: Inactive
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STOCKPILE SITE TYPE	Date: [ ]	Amount: Cu.Yds [ ]
	Description: Gently Rolling	Tree Cover: Heavy Pine
HISTORY	Material: Silty Sandy Gravel	Deposit: [ ]
	Past Use: Borrow	Date: [ ]
	Performance Rating: [ ]	Amount Used: [ ]
Remarks: [ ]		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
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:	[ ]
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**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 46

Location:	Highway No: 1	Side: R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance: Adjacent
MP 673.8	KP [ ]	Highway Name: Alaska	Access: None

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status: Inactive - Used as Garbage Pit
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STOCKPILE SITE TYPE	Date: [ ]	Amount: Cu.Yds.
	Description: Flat - Gentle Slope	Tree Cover: Heavy Spruce, Pine
HISTORY	Material: Gravel	Deposit: [ ]
	Past Use: Borrow	Date: [ ]
	Performance Rating: [ ]	Amount Used: [ ]
	Remarks: [ ]	[ ]

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
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:	[ ]
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**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 47

Location:	Highway No:	1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 674.1	KP	Highway Name: Alaska	Access	

Tenure: Gravel Pit Reserve Appl Plan	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Current Status: Inactive - ? Could not locate.
			Road relocation may have incorporated pit.

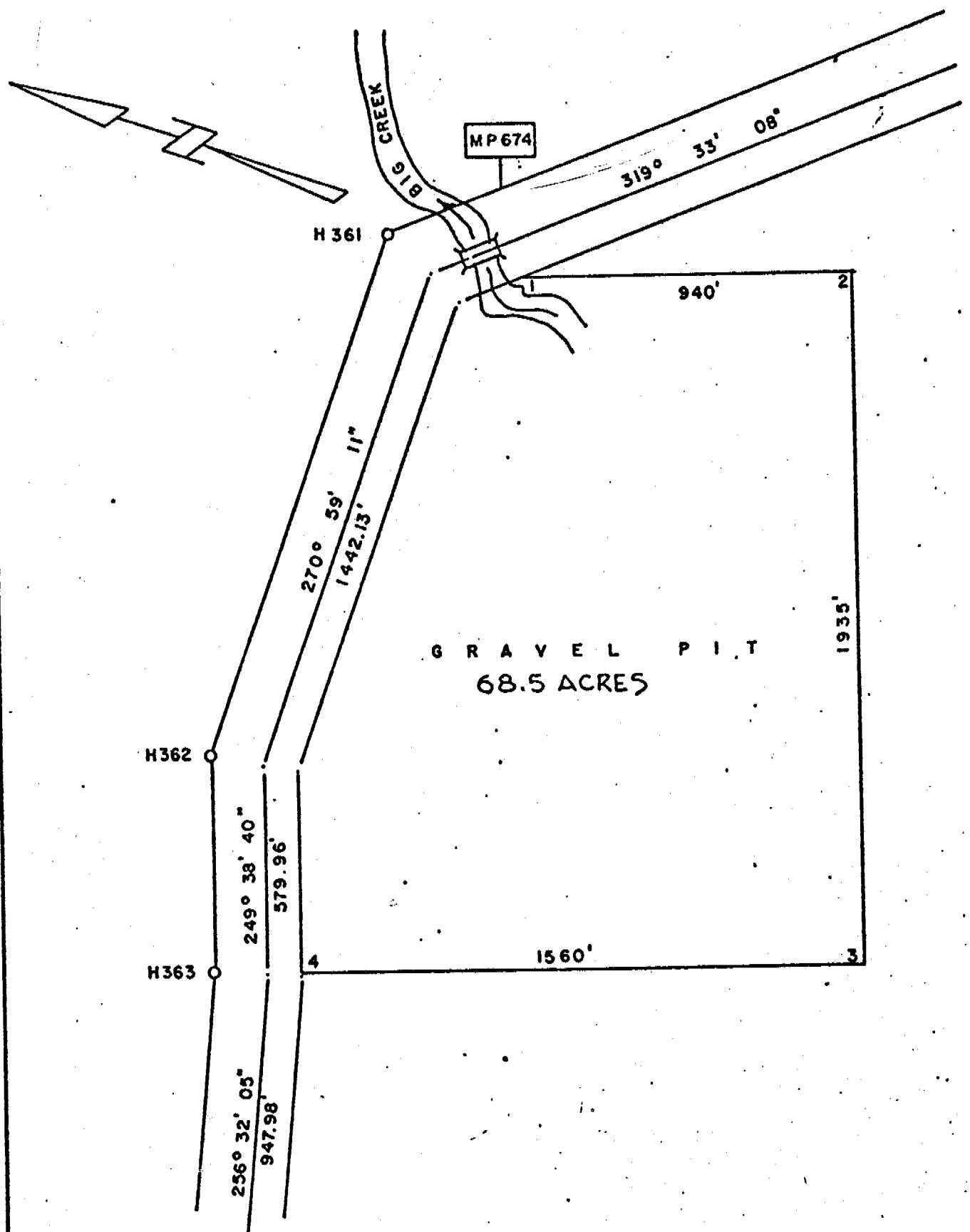
<b>STOCKPILE SITE TYPE HISTORY</b>	Date:	Amount: Cu.Yds.
	Description: Gentle Knoll	Tree Cover: Heavy Pine
	Material: Gravel	Deposit:
	Past Use: Borrow - Surfacing	Date:
Performance Rating:	Amount Used:	
Remarks:		

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	Date: May/63	Sites Sampled:		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks: No plastic fines present, not suitable for surfacing.				

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:	Crush Count:									
Other Tests:											
<b>Grain Size Analysis</b>		<b>% Passing Sieve Size</b>									
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI	
		96	68	48	35	16	3	--		NP	

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highways 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. 674**

designed by: conçu par:	date: date:
drawn by: dessiné par:	JUNE 1972
reviewed by: examine par:	
approved by: approvée par:	
project no.: no. du projet:	dwg. no. dessin no.

**LEGAL DESCRIPTION**

**Temporary Application**

**NWHS Pit**

**Pending Survey by Road Dept. 1955**

**Mile 674**

No. 1 Post is located on the southerly Boundary Existing R.O.W. on a true bearing of  $139^{\circ}38'08''$  for 220 feet from a point on the southerly boundary existing R.O.W. established by a Produced line from P. Pit M H361 through Traverse station H361 to said boundary, thence on a true bearing of  $158^{\circ}38'40''$  for a distance of 940+ feet to post No. 2; thence on a true bearing of  $249^{\circ}38'40''$  for a distance of 1935+ feet to post No. 3; thence on a true bearing of  $339^{\circ}38'40''$  for a distance of 1560+ feet to post No. 4; thence along the southerly boundary existing R.O.W. in an easterly direction to Post No. 1 point of commencement.

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 48

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	Adjacent
MP 674.4	KP	Highway Name:	Alaska	Access	Good	

Tenure: Gravel Pit Reserve Appl.	Current Status:
Plan Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Active

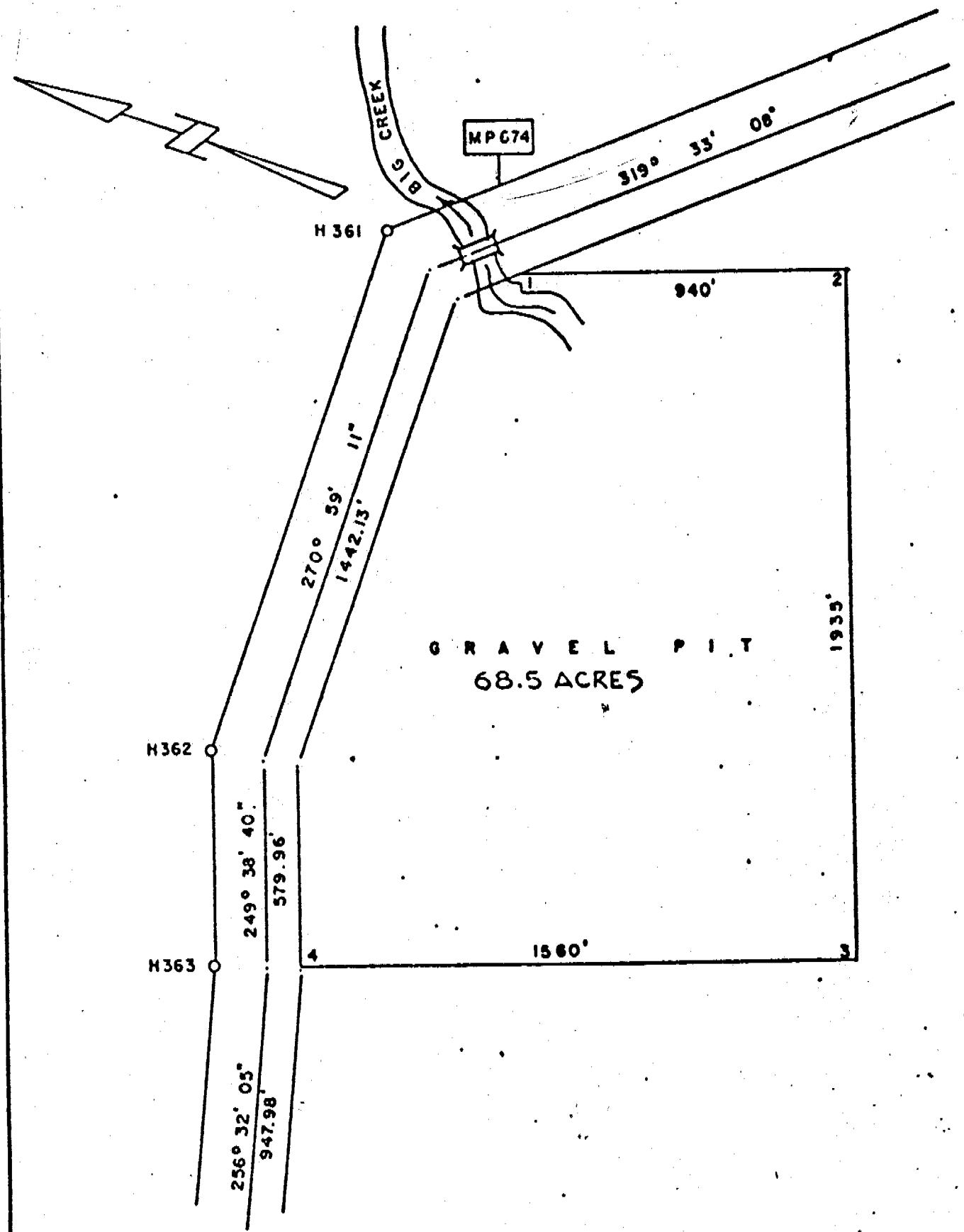
STOCKPILE SITE TYPE	Date: June/77	Crush Amount: ± 7500 Cu.Yds.
	Description: Flat	Tree Cover: Thick Pine
	Material: Gravel	Deposit:
	Past Use: Borrow - Crusher Site	Date:
Performance Rating:	Amount Used:	
Remarks:		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: July/64		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	83	56	38	26	7	2	.	.

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data Federal Lands Office
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 <p>DEPARTMENT OF PUBLIC WORKS CONSTRUCTION &amp; ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT</p>	Drawing title: Titre du dessin:	designed by: conçu par:
	scale: échelle: 1" : 400'	drawn by: dessiné par:
	reviewed by: examiné par:	approved by: approuvé par:
	project no.: no. du projet:	drawn no.: dessin no.:

**GRAVEL PIT RESERVE**  
**ALASKA HIGHWAY**  
**M. P. 674**

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 49

Location:

MP 678.0

Highway No: 1

KP

Highway Name: Alaska

Side Rx L

Distance: Adjacent  
Access

Tenure:

Plan

Yes

No

Current Status:

**STOCKPILE**

Date:

Amount:

Cu.Yds.

**SITE**

Description:

Tree Cover:

**TYPE**

Material: Gravel

Deposit:

**HISTORY**

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

**TEST SUMMARY**

Augered	<input type="checkbox"/>	Pitted	<input checked="" type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
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Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
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Date: Oct/70      Sites Sampled: 8 Sites

**SUBSURFACE TEST RESULTS**

Depth	Max.	Min.	Average
Overburden			
Material	+ 20'	1'	

Quantity:(CuYds) Estimated      Proven

Remarks: Fairly good P.I. but excessive fines

**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 Average		100	99	94	85	77	63	46	20	4

Potential Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 50

Location: Highway No: 1 Side R  L  Distance: Adjacent  
 MP 680.2 KP Highway Name: Alaska Access Good

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

## STOCKPILE

Date: Amount: Cu.Yds.

## SITE

Description: Gentle - Moderate Slope Tree Cover: Heavy Pine

## TYPE

Material: Gravel

Deposit:

## HISTORY

Past Use: Borrow - Surfacing

Date: 1967

Performance Rating:

Amount Used:

Remarks:

## TEST SUMMARY

Augered	<input checked="" type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
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Lab. Test

Sketch (Plan)

Crushed:

Date: 1970

Sites Sampled: 12 Holes

## SUBSURFACE

## TEST RESULTS

Depth

Max.

Min.

Average

Overburden

1'

0'

Material

15'

6 1/2'

Quantity:(CuYds) Estimated

Proven

Remarks: While somewhat high in fines, should form fair surfacing material. Deposit is quite variable in compound.

## 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"	Av. 8 holes	--	96	75	64	54	40	25	17	2
Pitrun-Av.	9 holes	91	85	81	75	68	55	39	18	4
Pitrun-Av.	10 holes	64	52	44	36	30	20	13	19	3
Crush-3/4"	4 Holes	--	94	60	45	37	26	17	18	3

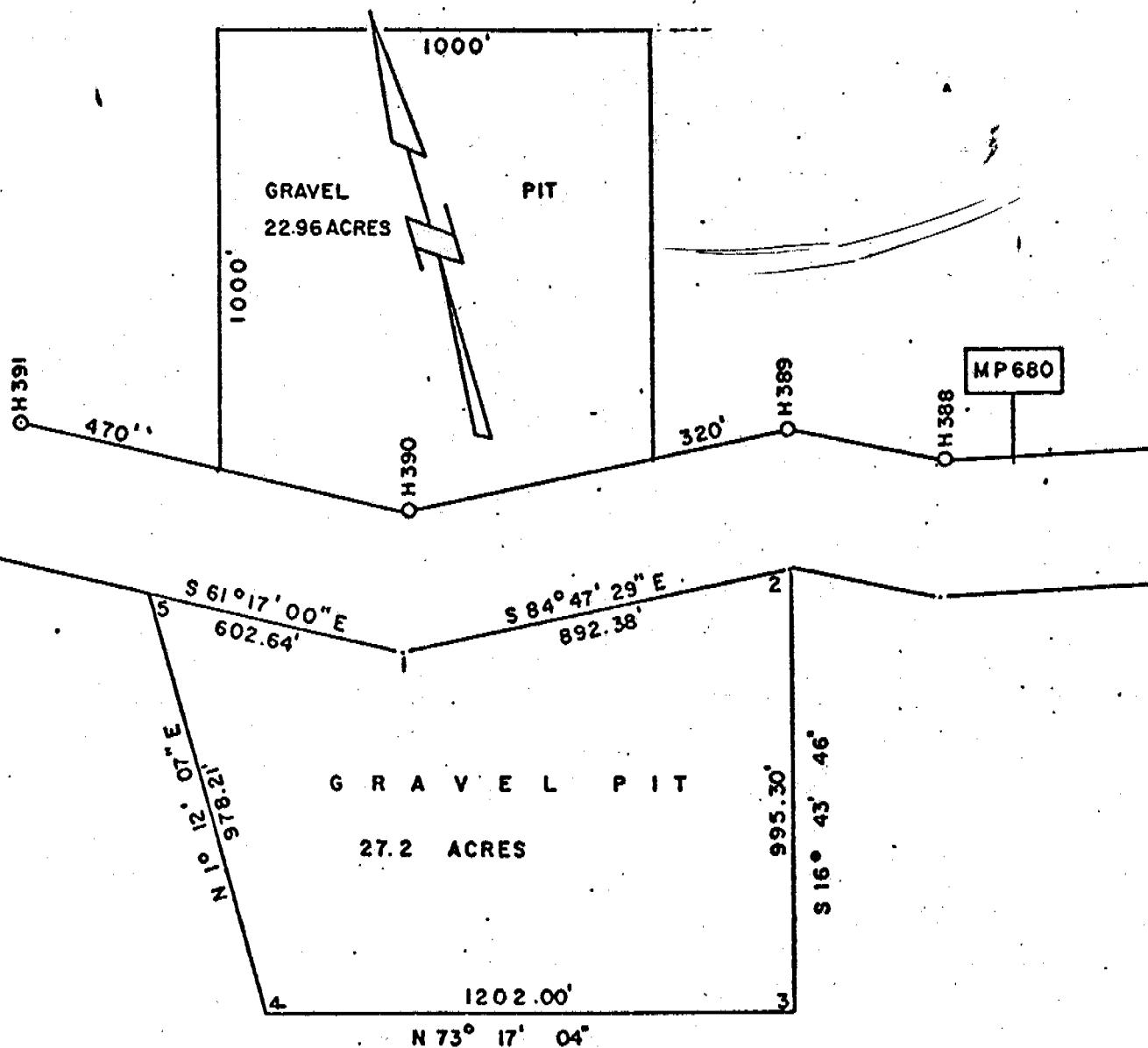
Potential  
Conflicts

Environmental:

Land Use:

## REFERENCE:

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



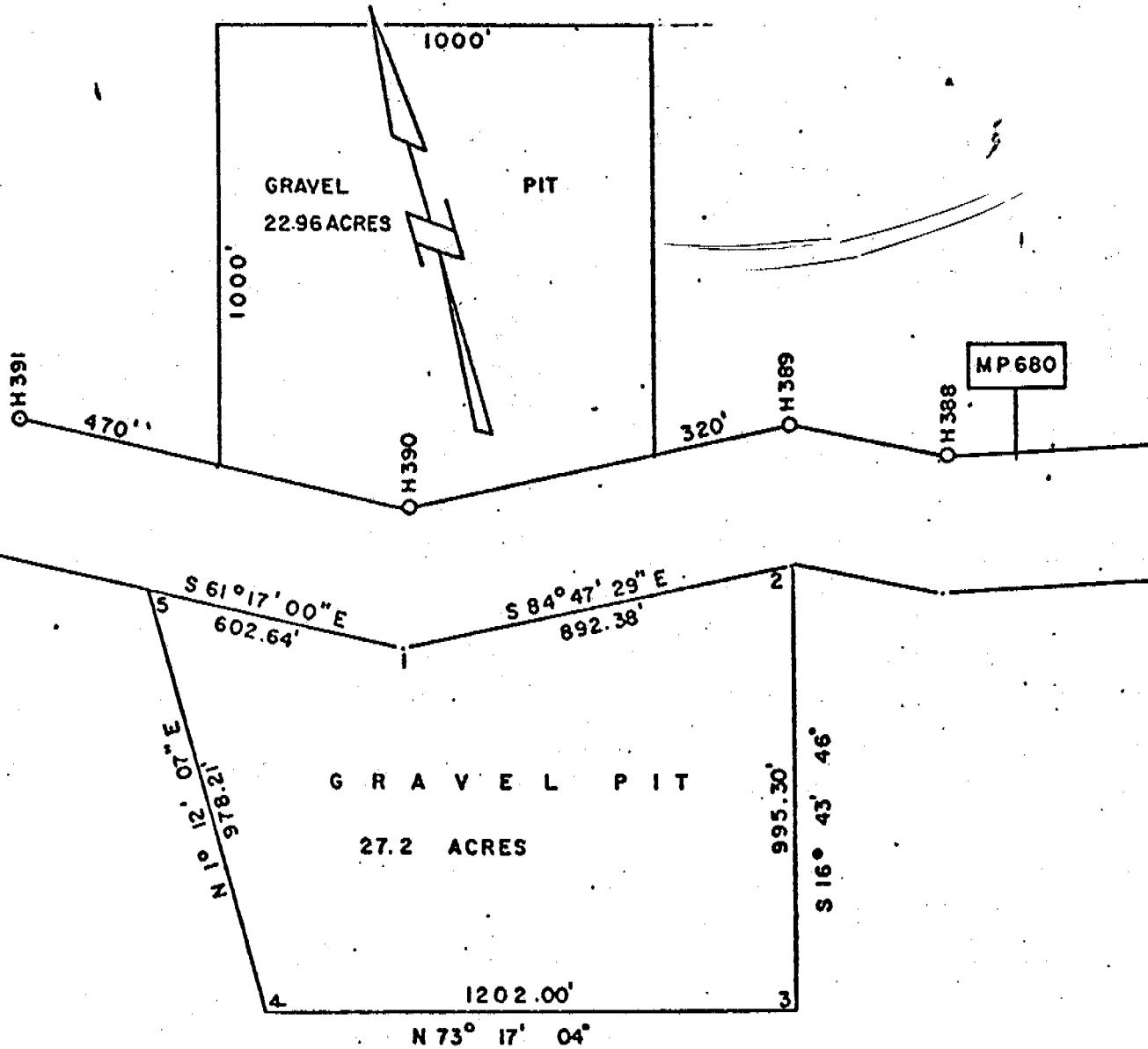
DEPARTMENT OF PUBLIC WORKS  
CONSTRUCTION & ENGINEERING  
PACIFIC REGION  
WHITEHORSE DISTRICT

Drawing title:  
Title du dessin:  
**GRAVEL PIT RESERVE**

scale:  
échelle: 1 = 400'

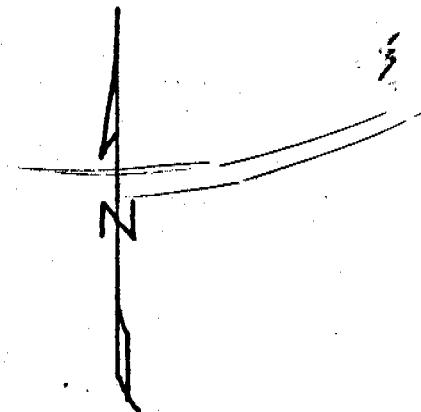
ALASKA HIGHWAY  
M.P. 680.3

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



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

ALASKA HIGHWAY  
M.P. 680.3



← TO WHITE HORSE

ALASKA HIGHWAY

BORROW PIT

SITE NO 50  
WATSON LAKE RMA  
TEST AREA  
ALASKA HIGHWAY MP 680.2 LHS

SCALE 1IN = 200FT

• TEST HOLES

**YUKON GRAVEL INVENTORY**

R.M. Area:	Watson Lake	Borrow or Test Site No:	51
Location:	Highway No:	Side	<input checked="" type="checkbox"/> R <input type="checkbox"/> L
MP 684.4	KP [ ] Highway Name:	Distance:	0.1-0.3 mi
Tenure: Gravel Pit Reserve Plan	Yes <input checked="" type="checkbox"/> No [ ]	Current Status:	Active

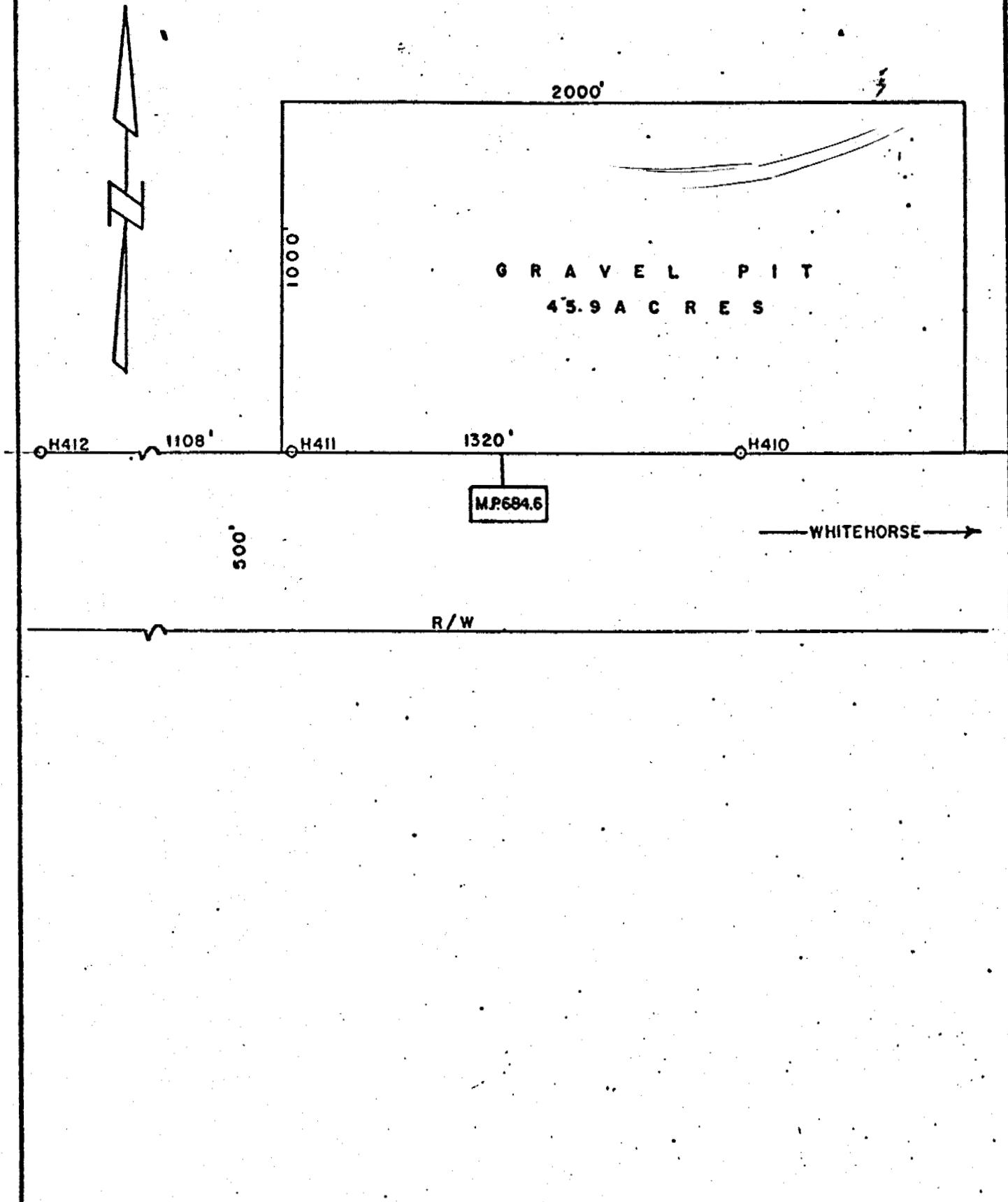
STOCKPILE SITE TYPE  HISTORY	Date: June/77	Crush Amount: + 10,000 Cu.Yds.
	Description: Flat	Tree Cover: Heavy Pine
	Material: Silty Sandy Gravel	Deposit:
	Past Use: Borrow - Surfacing MP 676-90	Date: 1971, 196?
Performance Rating: Fair - Poor	Amount Used:	
Remarks:		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
	Date: Nov/70	Sites Sampled: 13 Pits		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks: Low in rock content, requires addition of gravel to make better surfacing material. Runoff and groundwater tend to collect in ponds.				

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.1971 Crushing Contract		100	88	86	84	80	65	39	17.5	2.0

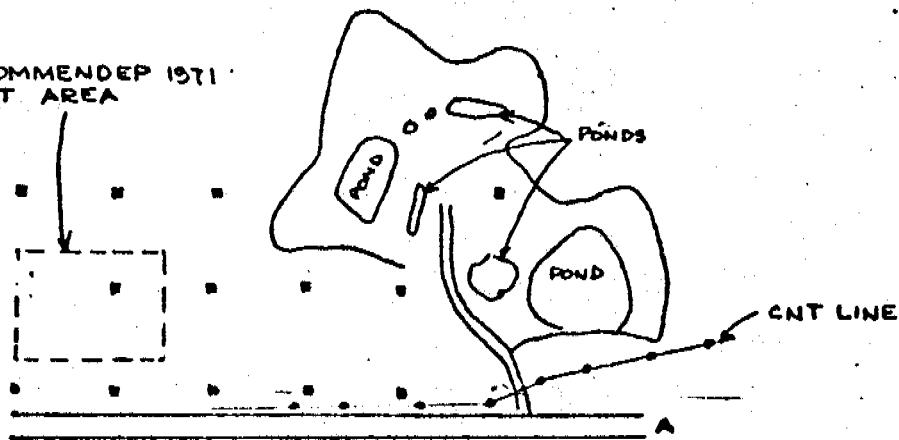
Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials' Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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 <b>DEPARTMENT OF PUBLIC WORKS</b> <b>CONSTRUCTION &amp; ENGINEERING</b> <b>PACIFIC REGION</b> <b>WHITEHORSE DISTRICT</b>	Drawing title: Titre du dessin: <b>GRAVEL PIT RESERVE</b> scale: échelle: 1" = 400'	designed by: concu par: <b>JUNE 1972</b>
	drawn by: dessiné par: <b>JUNE 1972</b>	
	reviewed by: examiné par: <b>JUNE 1972</b>	
	approved by: approuvé par: <b>JUNE 1972</b>	
	project no.: no. du projet: <b>JUNE 1972</b>	darg. no. dessin no. <b>JUNE 1972</b>

RECOMMENDED 1971  
PIT AREA



SITE NO 51  
WATSON LAKE RMA  
TEST AREA  
ALASKA HIGHWAY MP 684.4 EHS

1 IN = 400 FT

TEST PIT

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 52

Location:	Highway No: 1	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 684.9	KP Highway Name: Alaska	Access: None	

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status: Inactive
-----------------	------------------------------	-----------------------------	-----------------------------

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Heavy Pine
	Material: Clay	Deposit:
	Past Use: Borrow - 2 Pits	Date:
Performance Rating:	Amount Used:	
Remarks:		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	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:	
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## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 53

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance: 0.2 mi
MP 685.4	KP [ ]	Highway Name: Alaska	Access [ ]

Tenure:	Current Status:		
Plan	Yes [ ]	No [ ]	

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	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	
		95	85	79	74	56	36	--	NP		

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 54

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	Adjacent
MP 686.0	KP		Highway Name:	Alaska	Access	Good

Tenure Gravel Pit Reserve Appl.	Current Status: Inactive
Plan Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

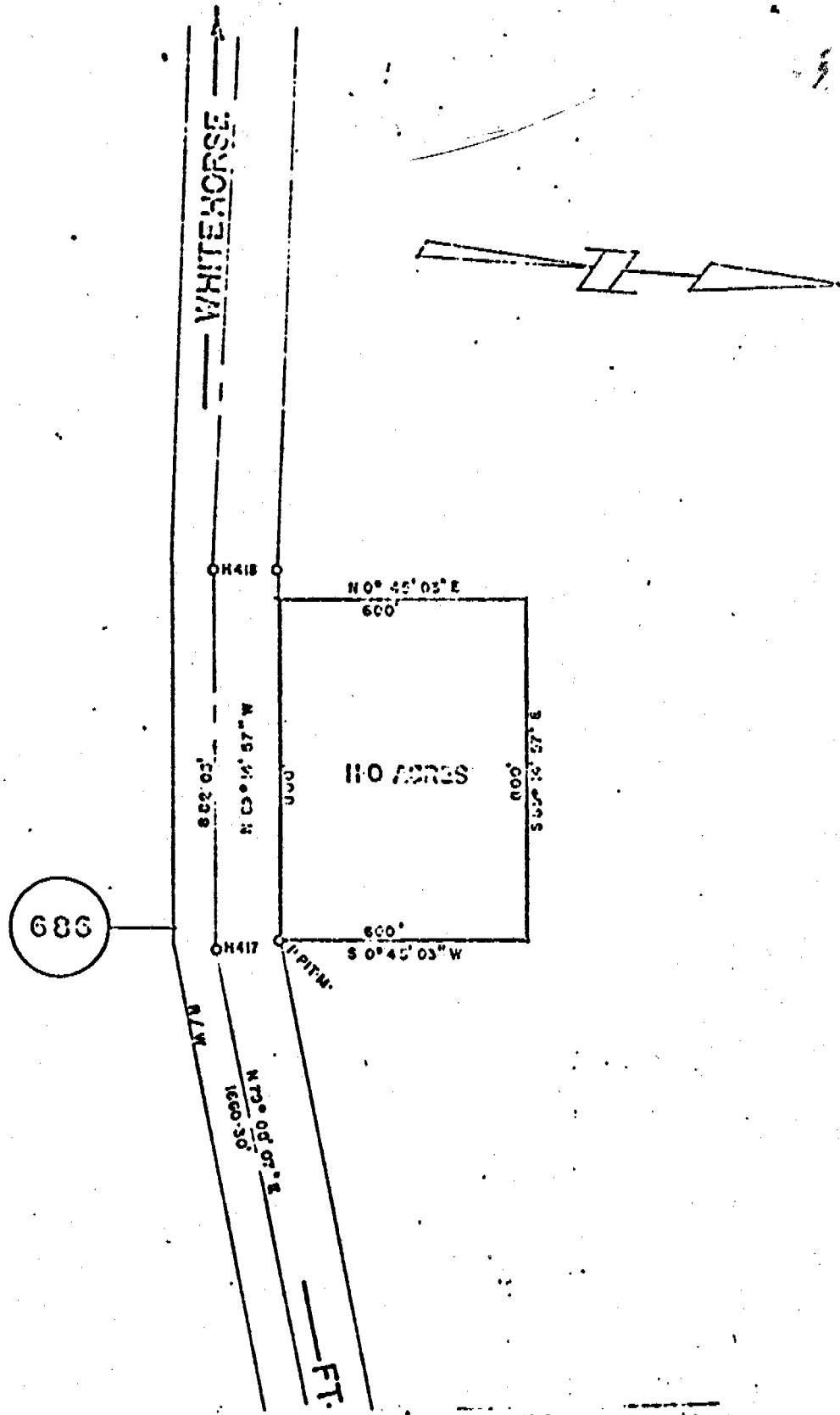
<b>STOCKPILE SITE TYPE HISTORY</b>	Date:	Amount: Cu.Yds.
	Description: Gently Rolling	
	Tree Cover: Heavy Pine	
	Material: Gravel	
	Deposit: Terrace	
	Past Use: Borrow - Blend for Surfacing Date:	
Performance Rating:		Amount Used:
Remarks:		

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: 1970		Sites Sampled:		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity:(CuYds) Estimated		Proven	
Remarks: Clean Gravel				

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:	Crush Count:																																																																													
Other Tests:	Petrographic Analysis: Granitic - 55%; Quartzite - 27%; Other - 18%																																																																														
<table border="1"> <thead> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="9">% 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> </thead> <tbody> <tr> <td>Pitrun</td> <td></td> <td>74</td> <td>52</td> <td>33</td> <td>19</td> <td>13</td> <td>7</td> <td>2</td> <td></td> <td></td> </tr> <tr> <td>Crush - 3/4"</td> <td>--</td> <td>97</td> <td>54</td> <td>33</td> <td>23</td> <td>10</td> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> </tbody> </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		74	52	33	19	13	7	2			Crush - 3/4"	--	97	54	33	23	10	3																																					
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	52	33	19	13	7	2																																																																							
Crush - 3/4"	--	97	54	33	23	10	3																																																																								

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

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



Drawing title:

### GRAVEL PIT

scale: 1" = 400'

date: JAH-1971

ALASKA HIGHWAY  
M.P. 686.0 (R.H.S.)

designed by: V.B.

date:

drawn by: H.L.

reviewed by:

approved by:

project no.:

Eng. no.:

22-38

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: S

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance: Adjacent
MP 687.1	KP	Highway Name: Alaska	Access Poor

Tenure:	Current Status:
Plan Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Inactive

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	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: Watson Lake

Borrow or Test Site No: 56

Location:	Highway No: 1	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 686.7	KP [ ] Highway Name: Alaska	Access	

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status:
-----------------	------------------------------	-----------------------------	-----------------

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: July/74		Sites Sampled: [ ]		
SUBSURFACE TEST RESULTS	Depth [ ]	Max. [ ]	Min. [ ]	Average [ ]
	Overburden [ ]			
	Material [ ]			
	Quantity:(CuYds) Estimated [ ]		Proven [ ]	
Remarks: Clean coarse gravel.				

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	53	36	24	17	7	2	--	--

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

R.M. Area: Watson Lake

Borrow or Test Site No: 57

Location:  
MP 689.0Highway No: 1  
KP Highway Name: AlaskaSide R  L Distance: Adjacent  
Access

Tenure:

Plan

Yes

No

Current Status:

STOCKPILE

Date:

Amount: Cu.Yds.

SITE

Description:

Tree Cover: Old Burn

TYPE

Material: Sandy Gravel

Deposit:

HISTORY

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		

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
		38	34	29	24	6	2			NP

Potential Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 58

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	0.4 mi
MP	690.0	KP	Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	x

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

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: April/67		Sites Sampled:		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden			
	Material			
	Quantity:(CuYds) Estimated	Proven		
Remarks:				

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
<b>Grain Size Analysis</b>		<b>% Passing Sieve Size</b>								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		95	86	78	71	61	21	6	--	NP

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

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

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 59

Location: Highway No: 1 Side R  L  Distance: Adjacent  
 MP 692.5 KP Highway Name: Alaska Access

Tenure: Current Status:  
 Plan Yes  No

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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	
	90	75	66	57	50	40	28	--	NP		
	100	85	73	65	56	47	40	--	NP		

Potential Conflicts	Environmental:
	Land Use:

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

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 60

Location: Highway No: 1 Side R  L  Distance: Adjacent  
 MP 692.6 KP Highway Name: Alaska Access

Tenure:  
Plan Yes  No

Current Status:

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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 - Av. 3 samples		95	77	53	39	30	18	1	--	--

Potential Conflicts	Environmental:
	Land Use:

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

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 61

Location:	Highway No: 1	Side: R <input type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 692.7	KP Highway Name: Alaska	Access: None	

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status: Inactive
-----------------	------------------------------	-----------------------------	-----------------------------

STOCKPILE SITE TYPE HISTORY	Date: _____	Amount: Cu.Yds. _____
	Description: Moderate Sidehill	
	Material: Gravel, Silty Sand	
	Tree Cover: Heavy Spruce	
Past Use: Borrow		Date: _____
Performance Rating: _____		Deposit: _____
Remarks: _____		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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: Watson Lake

Borrow or Test Site No: 62

Location: Highway No: 1 Side R  L  Distance: Adjacent  
 MP 692.8 KP Highway Name: Alaska Access

Tenure: Current Status:  
 Plan Yes  No

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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
		100	89	79	71	63	48	34	--	NP

Potential Conflicts	Environmental:
	Land Use:

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

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 63

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	Adjacent
MP 693.1	KP		Highway Name:	Alaska	Access	

Tenure:

Plan

Yes

No

Current Status:

Date:

Cu.Yds.

STOCKPILE

Description:

Tree Cover:

SITE

Material: Gravel

Deposit:

TYPE

Past Use:

Date:

HISTORY

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered

Pitted

Trenched

Not Indicated

Lab. Test

Sketch (Plan)

Crushed:

Date: July/64

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	87	72	57	33	8	0.4		

Potential  
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 64

Location:	Highway No: 1	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 693.2	KP [ ]	Highway Name: Alaska	Access [ ]

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

STOCKPILE SITE TYPE	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: Flat	Tree Cover: Moderate Poplar
HISTORY	Material: Silty Sandy Gravel	Deposit: [ ]
	Past Use: Borrow - Crusher Site	Date: [ ]
	Performance Rating: [ ]	Amount Used: [ ]
Remarks: [ ]		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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	
		99	92	63	50	42	24	15	22.0	1.1	

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

R.M. Area: Watson Lake

Borrow or Test Site No: 65

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	
MP	KM		Highway Name:	Alaska	Access	

Tenure:	Gravel Pit Reserve Appl.	Current Status:	Not developed
Plan	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

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

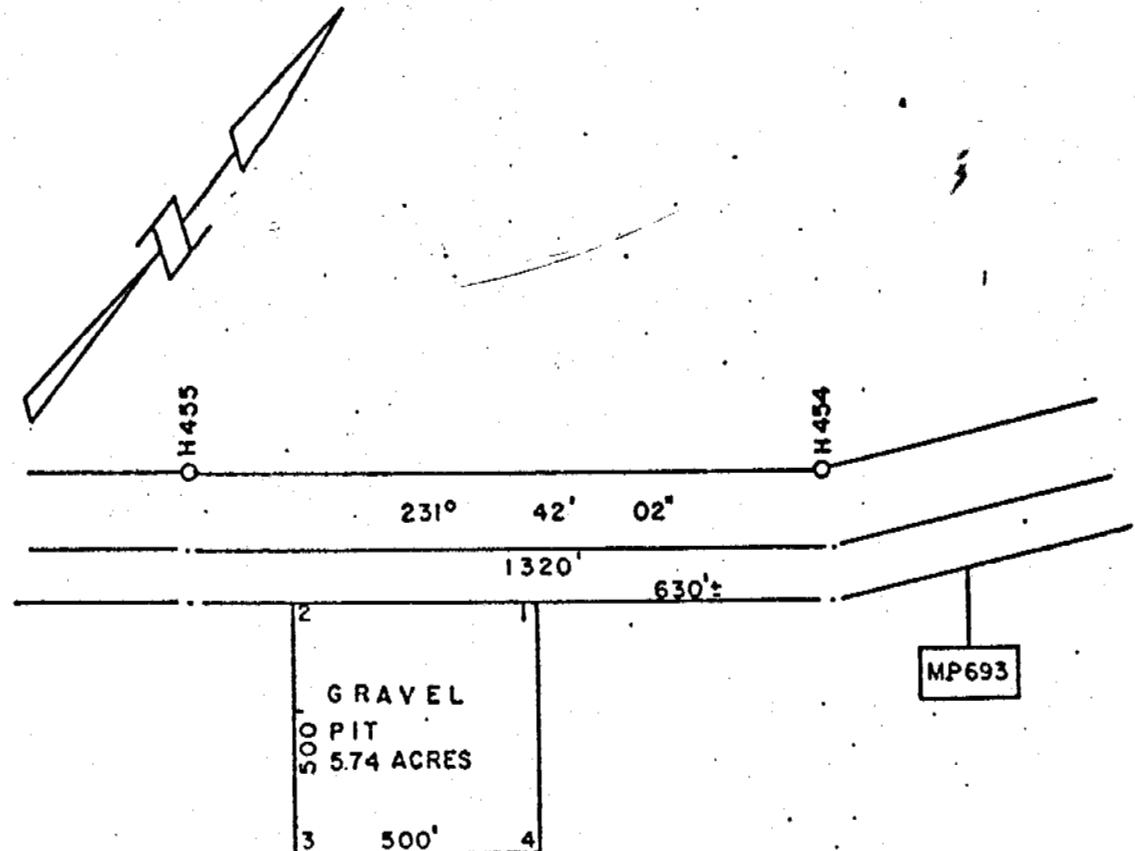
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date:		Sites Sampled:		
SUBSURFACE TEST 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. 693.2

designed by:  
conçu par:

Date

JUNE 1972

drawn by:  
dessiné par:

reviewed by:  
examiné par:

approved by:  
approuvé par:

project no.:  
no. du projet:

dwg no.:  
dessin no.:

**LEGAL DESCRIPTION**

**TEMPORARY APPLICATION**

**NWHS PIT**

**Pending Survey By Roads Dept. 1955**

**MILE 693.2**

Post No. 1 is located on the Southerly Boundary of Existing R.O.W. on the Line produced from Legal Survey Monument H454 through Legal Traverse Monument H454 to said boundary and 630+ feet from said intersection on a true bearing of 231 degrees 42 minutes 02 seconds. Thence 500+ feet on a true bearing of 231 degrees 42 minutes 02 seconds to Post No. 2; Thence 500+ on a true bearing of 141 degrees 42 minutes 02 seconds to Post No. 2; Thence 500+ feet on a true bearing of 51 degrees 42 minutes 02 seconds to Post No. 4; thence 500+ feet on a true bearing of 321 degrees 42 minutes 02 seconds to Post No. 1 point of commencement.

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 66

Location:	Highway No: 1	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: 0.2 mi
MP 693.8	KP [ ] Highway Name: Alaska	Access [ ]	

Tenure:	Current Status:		
Plan	Yes [ ]	No [ ]	

<b>STOCKPILE SITE TYPE HISTORY</b>	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: [ ]	Tree Cover: [ ]
	Material: Gravel [ ]	Deposit: [ ]
	Past Use: [ ]	Date: [ ]
Performance Rating: [ ]	Amount Used: [ ]	
Remarks: [ ]		

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
	Date: [ ]	Sites Sampled: [ ]		
<b>SUBSURFACE TEST RESULTS</b>	Depth [ ]	Max. [ ]	Min. [ ]	Average [ ]
	Overburden [ ]			
	Material [ ]			
	Quantity:(CuYds) Estimated [ ]	Proven [ ]		
Remarks: [ ]				

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss: [ ]	Crush Count: [ ]								
Other Tests: [ ]										
<b>Grain Size Analysis</b>		<b>% Passing Sieve Size</b>								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		79	73	51	44	38	24	17	--	NP

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 67

Location:	Highway No: 1	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 694.1	KP	Highway Name: Alaska	Access

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

STOCKPILE SITE TYPE HISTORY	Date:	Amount: Cu.Yds.
	Description: Flat Bench	Tree Cover: Old Burn
	Material: Glacial Till and Sand	Deposit:
	Past Use:	Date:
Performance Rating:	Amount Used:	
Remarks:		

TEST SUMMARY	Augered <input checked="" type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: Dec/70		Sites Sampled: 8 Holes		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	2'	1'	
	Material	9 $\frac{1}{2}$ '	2 $\frac{1}{2}$ '	
Quantity:(CuYds) Estimated		Proven		
Remarks:				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																																			
Other Tests:	Petrographic Analysis: Granitic - 75%; Quartzite - 10%; Quartz - 5%; Other - 10%																																																																				
<table border="1"> <thead> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="10">% 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> </thead> <tbody> <tr> <td>Pitrun (3 holes)</td> <td></td> <td>87</td> <td>69</td> <td>38</td> <td>24</td> <td>18</td> <td>11</td> <td>7</td> <td>24</td> <td>2</td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> </tbody> </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 (3 holes)		87	69	38	24	18	11	7	24	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																																																											
Pitrun (3 holes)		87	69	38	24	18	11	7	24	2																																																											

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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TOE OF HILL

OLD BURN  
LIGHT COVERAGE

CUT BANK

TO WHITEHORSE

ALASKA HIGHWAY  
MP 694.1

SITE NO 67  
WATSON LAKE RMA  
TEST AREA  
ALASKA HIGHWAY MP 694.1  
APPROX 2IN = 200FT  
• TEST HOLES

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 68

Location:	Highway No:	1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	0.1 mi
MP 694.8	KP	Highway Name:	Alaska	Access	Good

Tenure:	Current Status: Active		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

<b>STOCKPILE SITE TYPE HISTORY</b>	Date:	June/77	Crush	Amount: + 500 Cu.Yds.
	Description:	Flat - Gently Rolling	Tree Cover:	Mod. Spruce, Pine
	Material:	Gravel	Deposit:	
	Past Use:	Borrow - Crusher Site	Date:	
Performance Rating:		Amount Used:		
Remarks:				

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

<b>LAB. TEST RESULTS</b>	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: Watson Lake

Borrow or Test Site No: 69

Location: MP 694.9	Highway No: 1 KP [ ] Highway Name: Alaska	Side R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: 0.2 mi Access: Good
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Tenure: Gravel Pit Reserve Plan Yes <input checked="" type="checkbox"/> No [ ]	Current Status: Active
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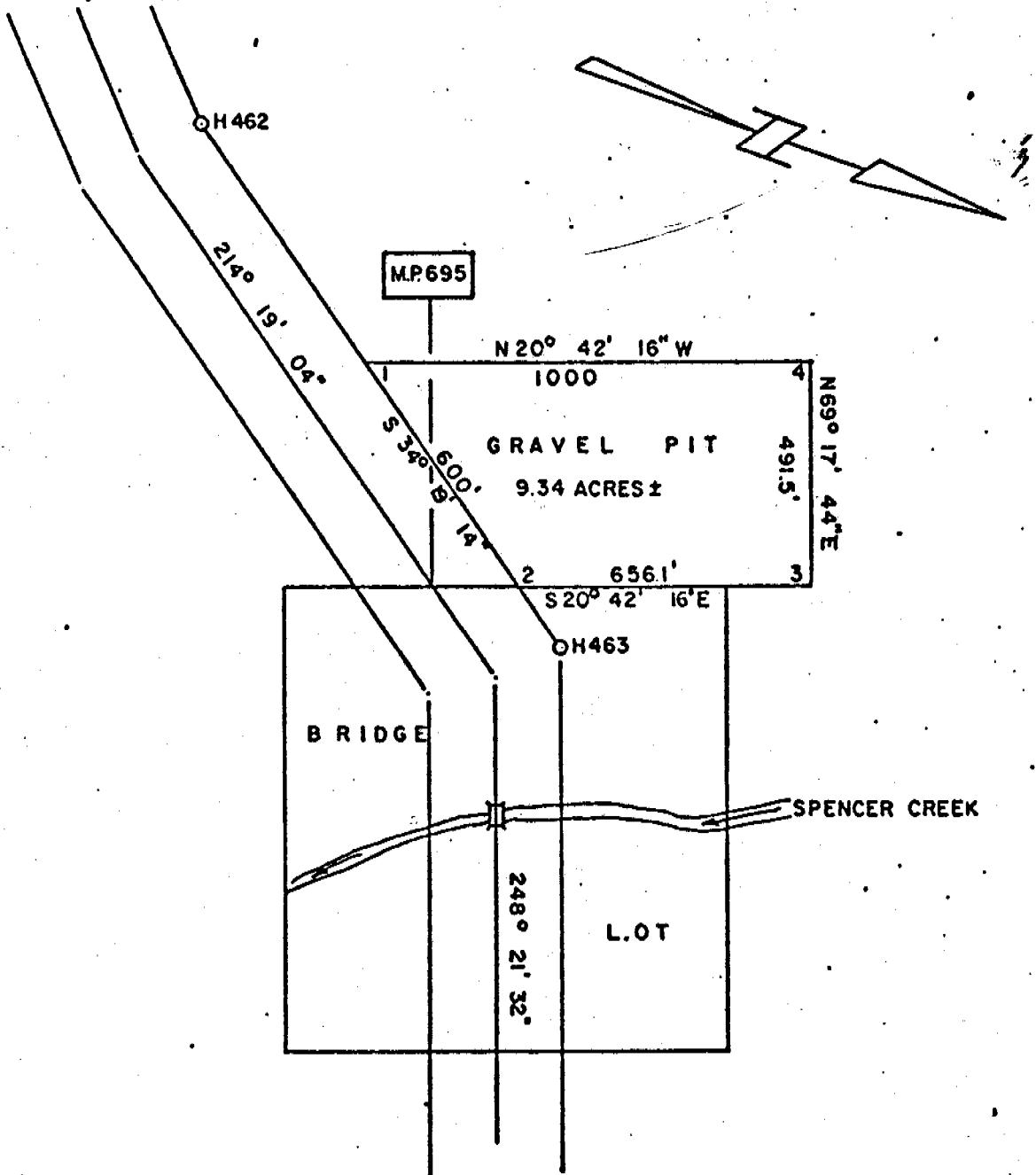
STOCKPILE SITE TYPE HISTORY	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: Steep Sidehill	Tree Cover: Mod. Spruce, Popla
	Material: Sand, Gravel & Schist Bedrock	Deposit: [ ]
	Past Use: Borrow	Date: [ ]
	Performance Rating:	Amount Used: [ ]
Remarks: [ ]		

TEST SUMMARY	Augered <input checked="" type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
Date: Dec/70		Sites Sampled: 2 Holes		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	0'	0'	[ ]
	Material	>10'	0'	[ ]
Quantity:(CuYds) Estimated		Proven		
Remarks: No sample. Coarse Gravel and Sand.				

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; 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. 695**

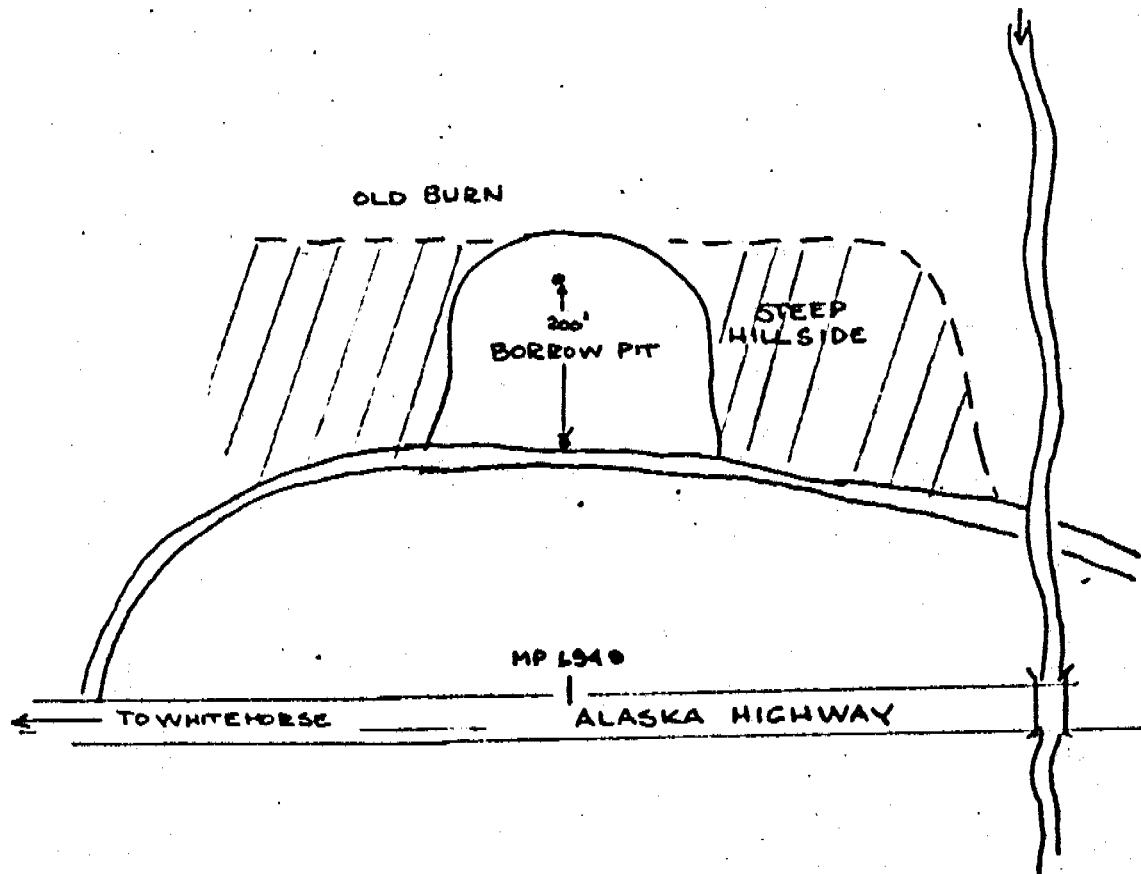
designed by: conçu par:	date: date:
drawn by: dessiné par:	JUNE 1972
reviewed by: examiné par:	
approved by: approuvé par:	
project no.: no. du projet:	dwg. no.: dessin no.:

LEGAL DESCRIPTION  
GRAVEL PIT MILE 695

Commencing at Legal Survey Monument H464 located on the northwesterly boundary of the Alaska Highway at Mile 695.2 more or less; thence on a true bearing of S 55° 40' 46"E for a distance of One hundred thirty-six and two tenths feet (136.2 feet) to Hub "A"; thence on a true bearing of N34° 19' 14"E for a distance of One thousand one hundred fifty three and twenty seven one hundredths feet (1153.27 ft) more or less to Hub B located on the westerly boundary of Spencer Creek Bridge lot; thence on a true bearing of N20° 42' 16"W along said boundary a distance of One hundred sixty-six and two tenths feet (166.2 ft) to Post No. 2 of required gravel pit located on the northwesterly boundary of the Alaska Highway; thence on a true bearing of S34° 19' 14"W for a distance of Six hundred feet (600.0 ft) along said Right-of-way boundary to Post No. 1; thence on a true bearing of N20° 42' 16"W for a distance of One thousand feet (100.0 feet) to Post No. 4; thence on a true bearing of N69° 17' 44"E for a distance of Four hundred ninety-one and five tenths feet (491.5 ft) to Post No. 3; thence on a true bearing of S20° 42' 16"E for a distance of Six hundred fifty-six and one tenth feet (656.1 ft) more or less along the westerly boundary of bridge lot to Post No. 2. Point of Commencement.

The land contained therein being 9.34 acres more or less.

SPENCER CREEK



SITE NO 69  
WATSON LAKE RMA  
TEST AREA  
ALASKA HIGHWAY MP 694.0 RHS  
NO SCALE  
• TEST HOLES

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 70

Location: Highway No: 1 Side R  L  Distance Adjacent  
MP 695.0 KP Highway Name: Alaska Access

Tenure: Current Status:  
Plan Yes  No

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	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
		97	85	72	64	54	36	24	20.6	1.1

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 71

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 696.0	KP [ ] Highway Name: Alaska	Access	

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status: Inactive - ? Could not locate.
-----------------	------------------------------	-----------------------------	--

STOCKPILE SITE TYPE	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: [ ]	Tree Cover: [ ]
	Material: Clay	Deposit: [ ]
HISTORY	Past Use: Borrow - Binder	Date: 1971
	Performance Rating: [ ]	Amount Used: [ ]
	Remarks: [ ]	

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>
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
		92	83	67	52	33	22	25	2	
		100	88	70	53	33	21	24	1	
		100	92	76	58	35	21	23	3	

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

R.M. Area: Watson Lake

Borrow or Test Site No: 72

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	0.1 mi
MP 696.3	KP	Highway Name:	Alaska		Access	Good

Tenure: Gravel Pit Reserve Appl. Plan Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Current Status: Active
--	------------------------

<b>STOCKPILE SITE TYPE HISTORY</b>	Date: June/77	Crush	Amount: + 1000 Cu.Yds.
	Description: Moderate Sidehill	Tree Cover: Light Pine, Old Burn	
	Material: Weathered Shale - Schist	Deposit:	
	Past Use: Borrow	Date:	
Performance Rating:	Amount Used:		
Remarks:			

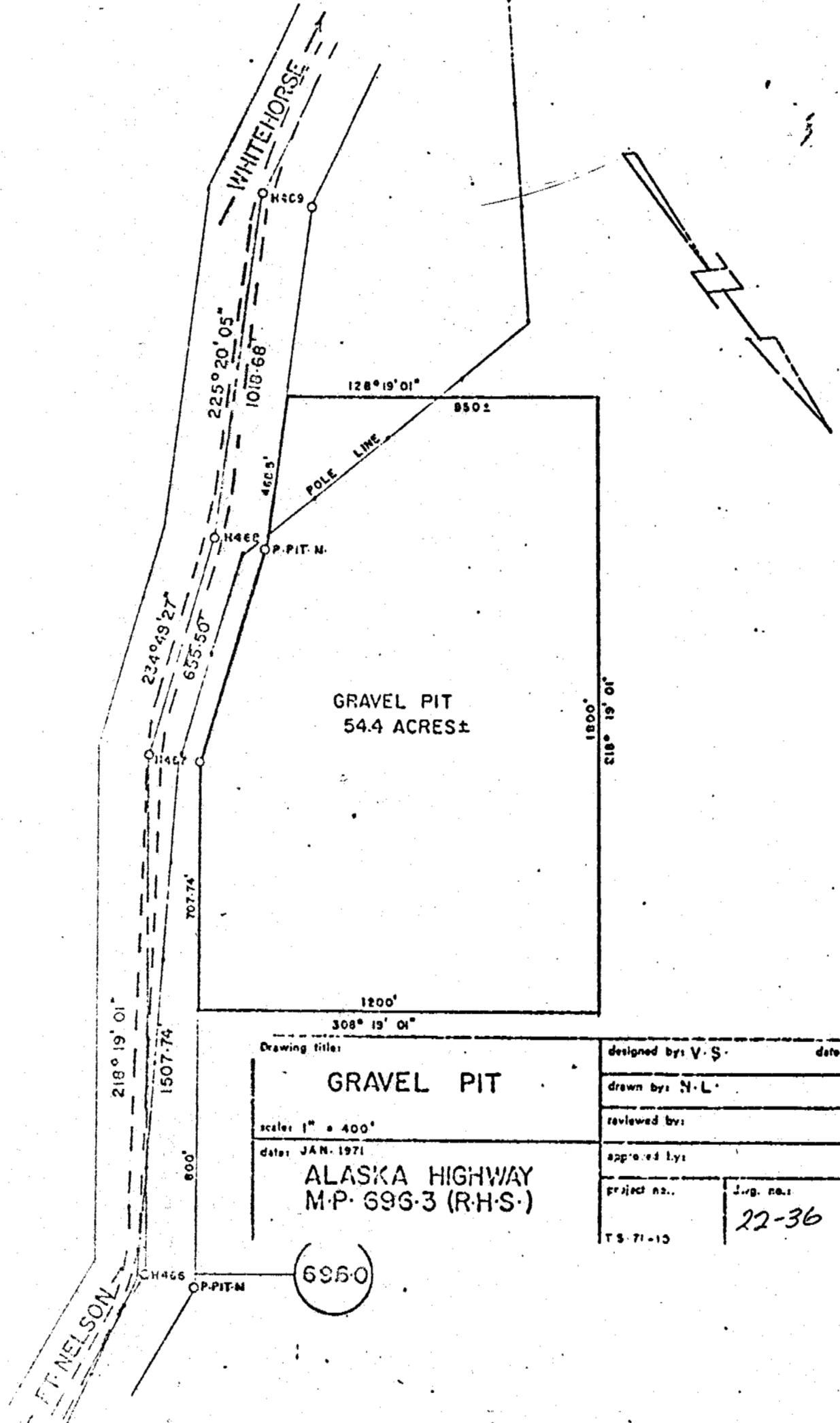
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	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: Dec/70		Sites Sampled: 13 Holes		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden	2'	1'	
	Material	13'	5' (on rock)	
Quantity:(CuYds) Estimated		Proven		
Remarks: Water Table 7 ft. below surface. Schist Bedrock below material.				

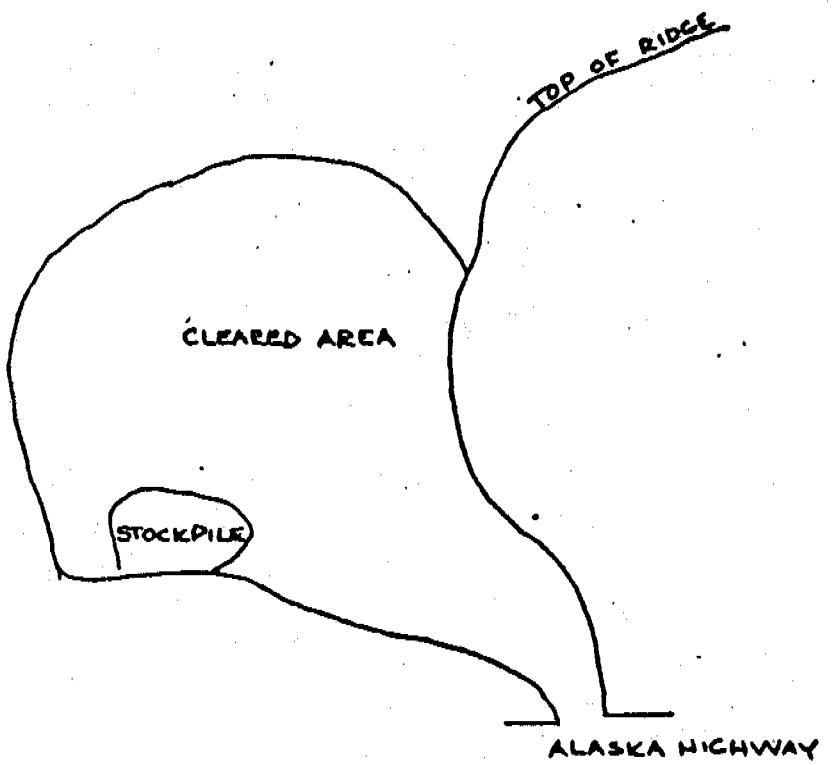
<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:	Crush Count:
Other Tests:		

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 Holes, Clay,		99	97	93	84	66	48	28	5		
Sand, Silt											

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 72  
WATSON LAKE RMA.  
TEST AREA  
ALASKA HIGHWAY MP 696.3 RHS  
1IN = 200 FT  
NOTE: LOCATION OF HOLES  
NOT SHOWN

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 73

Location:	Highway No: 1	Side:	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 696.9	KP [ ] Highway Name: Alaska			Access None

Tenure:	Current Status:		
Plan	Yes [ ]	No [ ]	Inactive

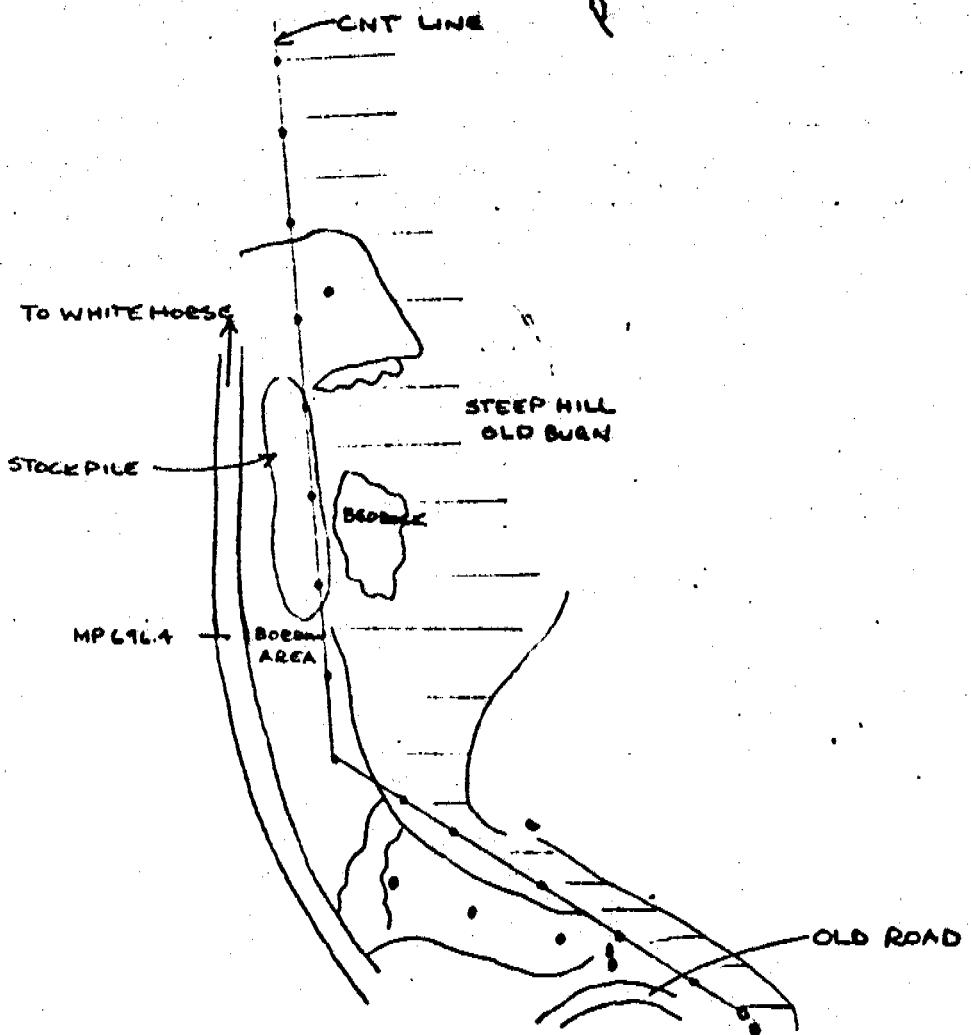
STOCKPILE SITE TYPE HISTORY	Date: June/77	Crush	Amount: ± 400 Cu.Yds.
	Description: Steep Sidehill	Tree Cover: Old Burn	
	Material: Silty Sand	Deposit:	
	Past Use: Borrow	Date:	Performance Rating:
Remarks:			

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: Dec/70		Sites Sampled: 8 Sites		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated Proven				
Remarks: Schist Bedrock				

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
2	13'		90	78	62	43	28	20	27.7	6.3
4	13'	98	69	38	29	26	22	18	27.8	5.2

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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SITE NO 73  
WATSON LAKE RMA.  
TEST AREA  
ALASKA HIGHWAY MP 696.9 RNS  
NO SCALE  
• TEST HOLES

YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 74

Location: MP 697.0	Highway No: 1 KP [ ]	Side <input checked="" type="checkbox"/> R <input type="checkbox"/> L	Distance: <input type="checkbox"/> Adjacent Access <input type="checkbox"/> Good
Highway Name: Alaska			

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status: Inactive
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<b>STOCKPILE SITE TYPE HISTORY</b>	Date: [ ]	Amount: Cu.Yds.
	Description: Moderate Slope	
	Material: Gravel and Schist Bedrock	
	Tree Cover: Mod. Spruce, Poplar	
Past Use: Borrow - Crusher Site		Date: [ ]
Performance Rating:		Deposit: [ ]
Remarks: [ ]		

<b>TEST SUMMARY</b>	<input checked="" type="checkbox"/> Augered	<input type="checkbox"/> Pitted	<input type="checkbox"/> Trenched	<input type="checkbox"/> Not Indicated
	<input type="checkbox"/> Lab. Test	<input checked="" type="checkbox"/> Sketch (Plan)	<input type="checkbox"/> Crushed:	<input type="checkbox"/>
	Date: Sept/60		Sites Sampled: 9 Holes	
	Subsurface Test Results		Depth Max.	Min.
Overburden		[ ]	[ ]	[ ]
Material		[ ]	[ ]	[ ]
Quantity:(CuYds) Estimated		Proven		
Remarks: [ ]				

<b>LAB. TEST RESULTS</b>		Los Angeles Abrasion % Loss:		Crush Count:						
Other Tests:		[ ]								
<b>Grain Size Analysis</b>		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
Pitrun		58	48	43	38	31	13	3	--	--
Crush			99	79	64	52	27	9	--	--
1971 Crush Contract (Av. 9 holes)			100	86	72	56	37	26	24.1	1.9

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

R.M. Area: Watson Lake

Borrow or Test Site No: 75

Location:	Highway No:	1	Side	<input checked="" type="checkbox"/> R <input type="checkbox"/> L	Distance:	0.2 mi
MP	697.3	KP	Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	Yes	No	

<b>STOCKPILE SITE TYPE HISTORY</b>	Date:	Amount:	Cu.Yds.
	Description:	Tree Cover: Moderate Pine	
	Material: Gravel	Deposit:	
	Past Use:	Date:	
Performance Rating:	Amount Used:		
Remarks:			

<b>TEST SUMMARY</b>	Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
	Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
	Date:	Sites Sampled:						
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.		Min.		Average		
	Overburden							
	Material							
	Quantity:(CuYds) Estimated							Proven
Remarks:								

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
<b>Grain Size Analysis</b>		<b>% Passing Sieve Size</b>								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		96	89	77	66	52	35	27	30.8	4.3

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

<b>REFERENCE:</b>	DPW Materials Inventory; Alaska Highway Technical Data
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**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 76

Location: Highway No: 1 Side R  L  Distance: Adjacent  
MP 698.1 KP Highway Name: Alaska Access

Tenure:

Plan

Yes

No

Current Status:

**STOCKPILE**

Date:

Amount:

Cu.Yds

**SITE**

Description:

Tree Cover:

**TYPE**

Material: Gravel

Deposit:

**HISTORY**

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:

3 Holes

**SUBSURFACE**

Depth

Max.

Min.

Average

**TEST RESULTS**

Overburden

0'

0'

Material

15'

10'

Quantity:(CuYds) Estimated

Proven

Remarks:

**LAB. TEST RESULTS**

Los Angeles Abrasion Z Loss:

Crush Count:

Retrographic Analysis: Granitic - 80%; Calcareous - 5%; Basaltic - 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
		89	67	46	33	23	10	6	--	0

Potential Conflicts

Environmental:

Land Use:

**REFERENCE:**

DPW Materials Inventory; Alaska Highway Technical Data

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 77

Location:	Highway No: 1	Side R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 698.5	KP [ ]	Highway Name: Alaska	Access [ ]

Tenure: Gravel Pit Reserve Appl Plan	Yes <input checked="" type="checkbox"/>	No [ ]	Current Status: Not Developed
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STOCKPILE SITE TYPE  HISTORY	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: Flat	Tree Cover: Light Pine, Willow
	Material: Gravel	Deposit: Terrace
	Past Use: [ ]	Date: [ ]
Performance Rating: [ ]	Amount Used: [ ]	
Remarks: [ ]		

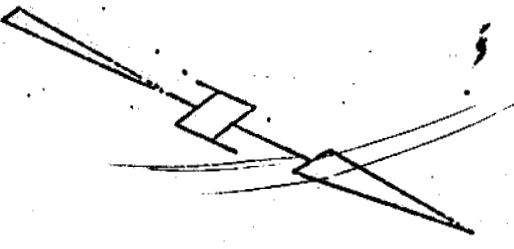
TEST SUMMARY	Augered <input checked="" type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
Date: Dec/70		Sites Sampled: 8 Holes		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	1'	0'	[ ]
	Material	14'	6'	[ ]
Quantity:(CuYds) Estimated		Proven		
Remarks: Quite bouldery.				

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.	8 holes	95	85	75	63	51	31	14			
Crush-3/4"			99	84	74	56	34	15			

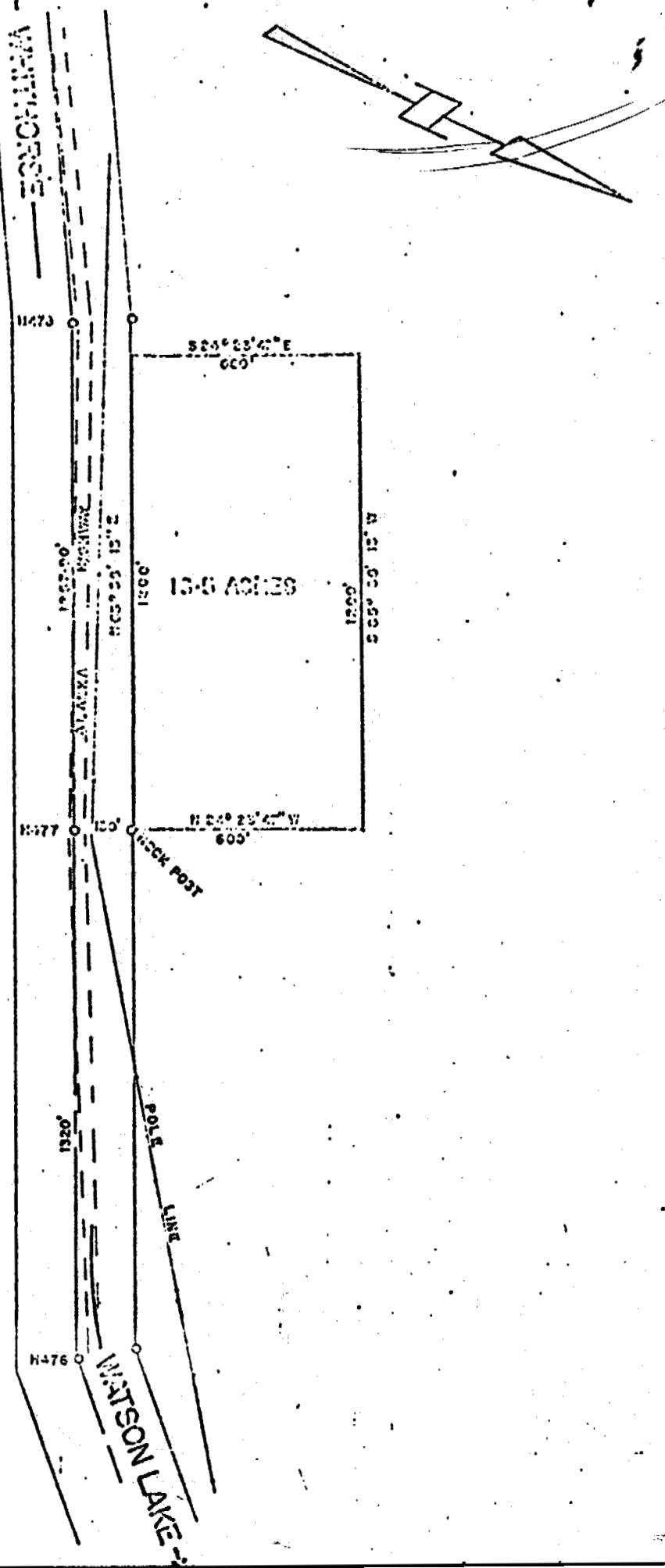
Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

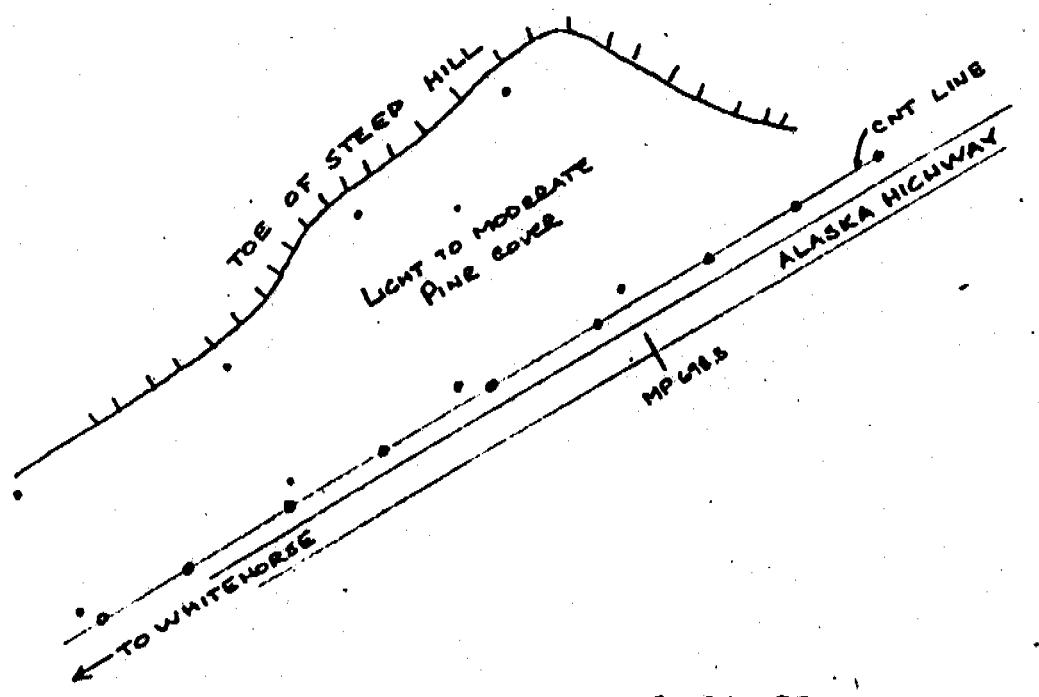
REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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DEPARTMENT OF PUBLIC WORKS

Drawing title:	designed by V.S.	Date:
GRAVEL PIT		
John P. Goo'	drawn by: H.L.	
dated Jan 1937	revised by:	
ALASKA INDUSTRIES	Approved by:	
L.P.G.C.S. (R.I.G.)	dated 02-12-37	2-1937





SITE NO 77  
WATSON LAKE RMA.

TEST AREA  
ALASKA HIGHWAY MP 69.5 RHS

SCALE 1IN=200FT

• TEST HOLES

## YUKON GRAVEL INVENTORY

78

R.M. Area: Watson Lake

Borrow or Test Site No:

Location: MP	Highway No: 1 KP	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent Access
699.0	Highway Name: Alaska			

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status:
-----------------	------------------------------	-----------------------------	-----------------

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test	<input checked="" type="checkbox"/> Sketch (Plan)	<input type="checkbox"/> Crushed:	<input type="checkbox"/>
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"	3/4"	3/8"	No. 4	No. 10	No. 50	No. 200	LL	PI
		96	91	84	76	67	53	40	--	NP

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 79

Location:  
MP 699.3Highway No: 1  
KP Highway Name: AlaskaSide R  L  ? Distance: Adjacent  
Access

Tenure:

Plan

Yes

No

Current Status:

STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu.Yds.
	Description:	Tree Cover:	
	Material: Gravel with Sand, Silt	Deposit:	
	Past Use:	Date: Sept/64	
Performance Rating:	Amount Used:		
Remarks:			

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	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. 8	No. 30	No. 200	LL	PI
668			100	100	99	98	78	1	--	
669					100	99	99	No. 100		
667		93	75	66	52	43	18	2		
537		90	67	58	47	42	13	2		
666		78	64	49	43	37	17	2		
665		87	78	72	68	61	28	2		

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 80

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	0.2 mi
MP	KM		Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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"	3/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI
		92	88	81	75	65	30	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: Watson Lake

Borrow or Test Site No: 81

Location:	Highway No:	1	Side	R <input type="checkbox"/>	L <input type="checkbox"/>	? Distance:	/
MP 701.3	KP		Highway Name:	Alaska			Access

Tenure:	Current Status		
Plan	Yes	No	

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

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>	
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>		
	Date:	Sites Sampled:			
	<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
		Overburden			
		Material			
Quantity:(CuYds) Estimated		Proven			
Remarks:					

<b>LAB. TEST RESULTS</b>		Los Angeles Abrasion % Loss:			Crush Count:					
Other Tests:										
<b>Grain Size Analysis</b>		<b>% Passing Sieve Size</b>								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI
696		79	74	66	60	47	20	1	--	NP

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 82

Location: MP 701.4	Highway No: 1 KP [ ]	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: 0.1-0.5 mi
	Highway Name: Alaska		Access Good

Tenure:

Plan

Yes [ ]

No [ ]

Current Status:

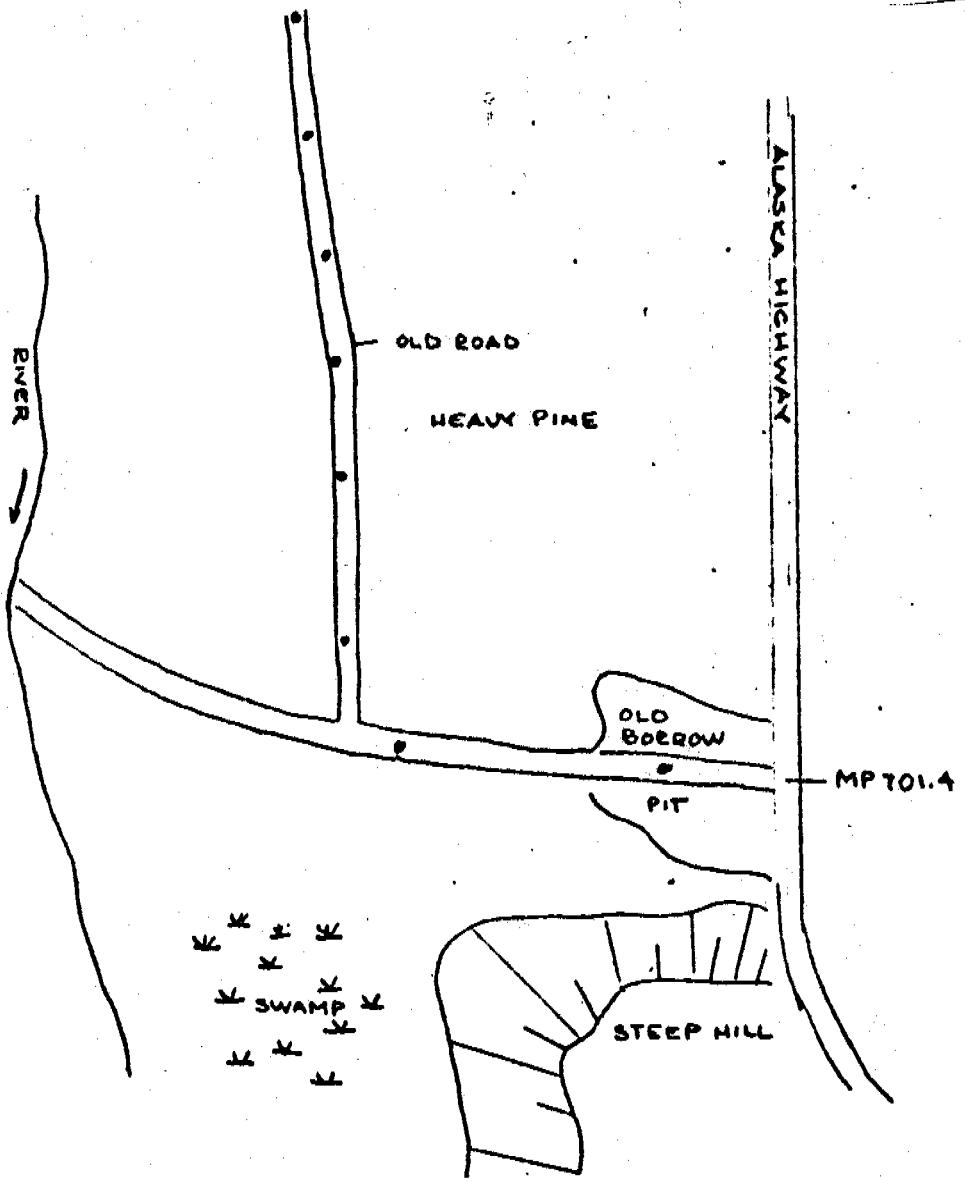
STOCKPILE SITE TYPE HISTORY	Date: [ ]	Amount: Cu.Yds.
	Description: Old River Flat	Tree Cover: Heavy Pine
	Material: Silty Sand & Fine Gravel	Deposit: [ ]
	Past Use: [ ]	Date: [ ]
Performance Rating: [ ]	Amount Used: [ ]	
Remarks: [ ]		

TEST SUMMARY	Augered <input checked="" type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
Date: Dec/70		Sites Sampled: 8 Holes		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden		0	
	Material	10'		
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	0-10'	97	92	77	63	45	24	12	22.9	1.1
2	0-10'	98	96	85	79	44	57	24	--	--

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

REFERENCE:	DPW Materials Inventory - Alaska Highway Technical Data
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SITE NO. 82  
WATSON LAKE R.M.A.  
TEST AREA  
ALASKA HIGHWAY MP 701.4 LHS.  
NO SCALE  
• TEST HOLE

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 83

Location: MP 701.4	Highway No: 1 KP [ ]	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance: Adjacent Access Good
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Tenure: Plan	Yes [ ]	No [ ]	Current Status: Inactive
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STOCKPILE SITE TYPE	Date: [ ]	Amount: Cu.Yds [ ]
	Description: Flat	Tree Cover: Heavy Pine
	Material: Sand	Deposit: [ ]
HISTORY	Past Use: Borrow - Small Pit	Date: [ ]
	Performance Rating: [ ]	Amount Used: [ ]
	Remarks: [ ]	[ ]

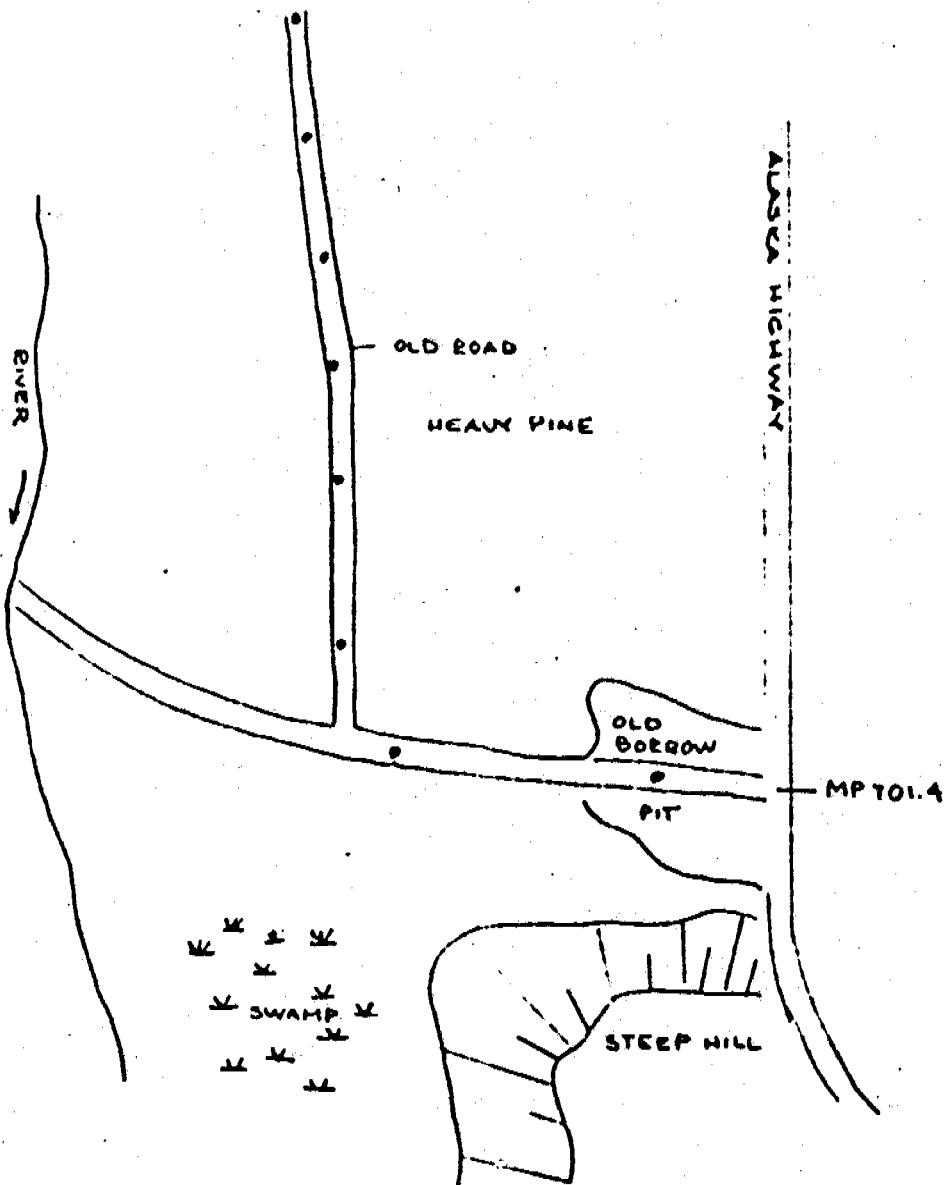
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>
Date: [ ]		Sites 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:	[ ]
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SITE NO. 83  
WATSON LAKE R.M.A.

TEST AREA  
ALASKA HIGHWAY MP 701.4 LHS  
NO SCALE  
• TEST HOLE

## YUKON GRAVEL INVENTORY

R.M. Area Watson Lake

Borrow or Test Site No: 84

Location:	Highway No: 1	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: <input checked="" type="checkbox"/> Adjacent
MP 701.6	KP Highway Name: Alaska	Access: <input checked="" type="checkbox"/> Good	

Tenure:	Current Status: Active		
Plan Yes <input type="checkbox"/> No <input type="checkbox"/>			

STOCKPILE SITE TYPE  HISTORY	Date: <input type="text"/>	Amount: Cu.Yds. <input type="text"/>
	Description: Flat	Tree Cover: Light Pine
	Material: Sand	Deposit: <input type="text"/>
	Past Use: Borrow	Date: <input type="text"/>
Performance Rating: <input type="text"/>	Amount Used: <input type="text"/>	
Remarks: <input type="text"/>		

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

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <input type="text"/>	Crush Count: <input type="text"/>
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Other Tests: <input type="text"/>										
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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: <input type="text"/>
	Land Use: <input type="text"/>

REFERENCE:

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 85

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	?Distance:	Adjacent
MP	701.8	KP	Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	Yes	No	

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

<b>TEST SUMMARY</b>	Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
	Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
Date:		Sites Sampled:						
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.		Min.		Average		
	Overburden							
	Material							
Quantity:(CuYds) Estimated Proven								
Remarks:								

<b>LAB. TEST RESULTS</b>	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. 8	No. 30	No. 200	LL	PI
570		100	91	60	31	26	9	1		
699		100	72	55	53	29	12	0		
670		100	67	50	35	30	8	1		

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

<b>REFERENCE:</b>	DPW Materials Inventory; Alaska Highway Technical Data
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## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 86

Location: Highway No: 1 Side R  L  X Distance: / 0.3 mi  
 MP 701.9 KP Highway Name: Alaska Access

Tenure: Current Status:  
 Plan Yes  No

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

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>
Date:	Sites Sampled:			
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
Overburden				
Material				
Quantity (CuYds) Estimated				Proven
Remarks:				

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:	Crush Count:								
Sample #:										
<b>Grain Size Analysis</b>		<b>% Passing Sieve Size</b>								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI
698		81	66	56	47	34	10	1		NP
						No. 16				
569		100	73	46	10	6	3	0		

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

<b>REFERENCE:</b>	DPW Materials Inventory; Alaska Highway Technical Data
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## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 87

Location: Highway No: 1 Side R  L  Distance: / Adjacent  
 MP 702.1 KP Highway Name: Alaska Access Good

Tenure: Current Status: Inactive  
 Plan Yes  No

STOCKPILE SITE TYPE HISTORY	Date: June/77	Crush	Amount: ± 200 Cu.Yds.
	Description: Flat	Tree Cover: Old Burn	
	Material: Gravel	Deposit:	
	Past Use: Borrow - Crusher Site	Date:	
Performance Rating:	Amount Used:		
Remarks:			

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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:	
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YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 88

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	0.2 mi
MP	704.9	KP	Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	Yes	No	

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

<b>TEST SUMMARY</b>	Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
	Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
	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	
697	4'	100	94	87	84	79	71	6		NP	

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 89

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	Adjacent
MP	706.1	KP	Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	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	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
	Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
	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. 8	No. 30	No. 200	LL	PI
702		100	65	44	20	19	12	1		
701		100	84	56	38	34	19	1		
700		68	45	34	29	23	13	1		
568		85	78	65	50	38	11	1		

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 90

Location:	Highway No: 1	Side: <input checked="" type="checkbox"/> R <input type="checkbox"/> L	Distance: 0.2 mi
MP 706.2	KP [ ] Highway Name: Alaska	Access [ ]	

Tenure: Current Status:  
Plan Yes [ ] No [ ]

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>
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 Materials Inventory; Alaska Highway Technical Data
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## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 91

Location: MP 706.6	Highway No: 1 KP [ ]	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent Access [ ]
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Tenure: Plan	Yes [ ]	No [ ]	Current Status:
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STOCKPILE SITE TYPE	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: [ ]	Tree Cover: [ ]
HISTORY	Material: [ ]	Deposit: [ ]
	Past Use: [ ]	Date: [ ]
	Performance Rating: [ ]	Amount Used: [ ]
Remarks: [ ]		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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
		98	86	77	70	55	9	3		
695	3 <sup>1</sup> / <sub>2</sub> '	88	87	78	75	72	56	2		

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

R.M. Area: Watson Lake

Borrow or Test Site No: 92

Location:	Highway No:	1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	Adjacent
MP 708.1	KP			Access	
Highway Name: Alaska					

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: July/71		Sites Sampled: 7 Pits		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	3'	1'	2'
	Material	10'	3'	
Quantity (CuYds) Estimated Proven				
Remarks: High water table.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:																																																															
Other Tests:	Petrographic Analysis: Granitic - 25%; Basaltic - 50%; Quartzite - 10% Others - 15%																																																																
<table border="1"> <thead> <tr> <th colspan="2">Grain Size Analysis</th> <th colspan="10">% 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> </thead> <tbody> <tr> <td>Pitrun (Av. 2 pits)</td> <td>74</td> <td>57</td> <td>41</td> <td>32</td> <td>24</td> <td>4</td> <td>1</td> <td>--</td> <td>0</td> </tr> <tr> <td>3/4 Crush (2 pits)</td> <td>100</td> <td>96</td> <td>59</td> <td>41</td> <td>28</td> <td>6</td> <td>2</td> <td>--</td> <td>0</td> </tr> <tr> <td></td> </tr> <tr> <td></td> </tr> </tbody> </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. 2 pits)	74	57	41	32	24	4	1	--	0	3/4 Crush (2 pits)	100	96	59	41	28	6	2	--	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																																																							
Pitrun (Av. 2 pits)	74	57	41	32	24	4	1	--	0																																																								
3/4 Crush (2 pits)	100	96	59	41	28	6	2	--	0																																																								

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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TO WHITEHORSE ← ALASKA HIGHWAY

WATER ON GROUND

RANCHERIA RIVER

SITE NO. 92  
WATSON LAKE RMA.  
TEST AREA  
ALASKA HIGHWAY MP 708.1 LHS  
1 IN = 200 FT  
■ TEST PIT

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 93

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input type="checkbox"/> ?	Distance: Adjacent
MP 711.0	KP <input type="checkbox"/>	Highway Name: Alaska	Access <input type="checkbox"/>

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status:
-----------------	------------------------------	-----------------------------	-----------------

STOCKPILE SITE TYPE  HISTORY	Date: <input type="text"/>	Amount: Cu.Yds. <input type="text"/>
	Description: <input type="text"/>	Tree Cover: <input type="checkbox"/>
	Material: Gravel <input type="text"/>	Deposit: <input type="checkbox"/>
	Past Use: <input type="text"/>	Date: Oct/66
Performance Rating: <input type="text"/>	Amount Used: <input type="text"/>	
Remarks: <input type="text"/>		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>
Date: <input type="text"/>		Sites Sampled: <input type="text"/>		
SUBSURFACE TEST RESULTS	Depth <input type="text"/>	Max. <input type="text"/>	Min. <input type="text"/>	Average <input type="text"/>
	Overburden <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Material <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Quantity:(CuYds) Estimated <input type="text"/>		Proven <input type="text"/>		
Remarks: <input type="text"/>				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <input type="text"/>	Crush Count: <input type="text"/>
Other Tests: <input type="text"/>	<input type="text"/>	

Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 8	No. 30	No. 200	LL	PI
Av. 3 Samples		93	69	43	30	28	10	2		

Potential Conflicts	Environmental: <input type="text"/>
	Land Use: <input type="text"/>

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

R.M. Area Watson Lake

Borrow or Test Site No: 94

Location:	Highway No: 1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 711.2	KP Highway Name: Alaska	Access	

Tenure:	Current Status:		
Plan Yes <input type="checkbox"/>	No <input type="checkbox"/>		

STOCKPILE SITE TYPE  HISTORY	Date: <input type="text"/>	Amount: Cu. Yds. <input type="text"/>
	Description: <input type="text"/>	Tree Cover: Old Burn - Pine
	Material: Gravel <input type="text"/>	Deposit: Terrace <input type="text"/>
	Past Use: <input type="text"/>	Date: <input type="text"/>
Performance Rating: <input type="text"/>	Amount Used: <input type="text"/>	
Remarks: <input type="text"/>		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: July/71		Sites Sampled: 14 Pits		
SUBSURFACE TEST RESULTS	Depth <input type="text"/>	Max. <input type="text"/>	Min. <input type="text"/>	Average <input type="text"/>
	Overburden <input type="text"/>	1' <input type="text"/>	1/2' <input type="text"/>	
	Material <input type="text"/>	15 $\frac{1}{2}$ ' <input type="text"/>		
Quantity:(CuYds) Estimated <input type="text"/>		Proven <input type="text"/>		
Remarks: <input type="text"/>				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <input type="text"/>	Crush Count: <input type="text"/>								
Other Tests:	Petrographic Analysis: Granitic - 55%; Basaltic - 10%; Quartzite - 12%; Schist - 8% Gneiss - 10%; Others - 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. 13 pits	66	50	38	31	23	9	3	--	0	
Crush - 3/4" Av. 3 pits	97	68	46	34	14	6	--	0		

Potential Conflicts	Environmental: <input type="text"/>
	Land Use: <input type="text"/>

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data
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TO WHITEHORSE

RANCHERIA RIVER

SITE NO. 94  
WATSON LAKE R.M.A.  
TEST AREA  
ALASKA HIGHWAY MP 711.2 LHS  
1 IN = 200 FT  
■ TEST PIT

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 95

Location: MP 712.0	Highway No: 1 KP Highway Name: Alaska	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent Access
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Tenure: Gravel Pit Reserve Appl. Plan Yes <input type="checkbox"/> No <input type="checkbox"/>	Current Status: Not developed
---	-------------------------------

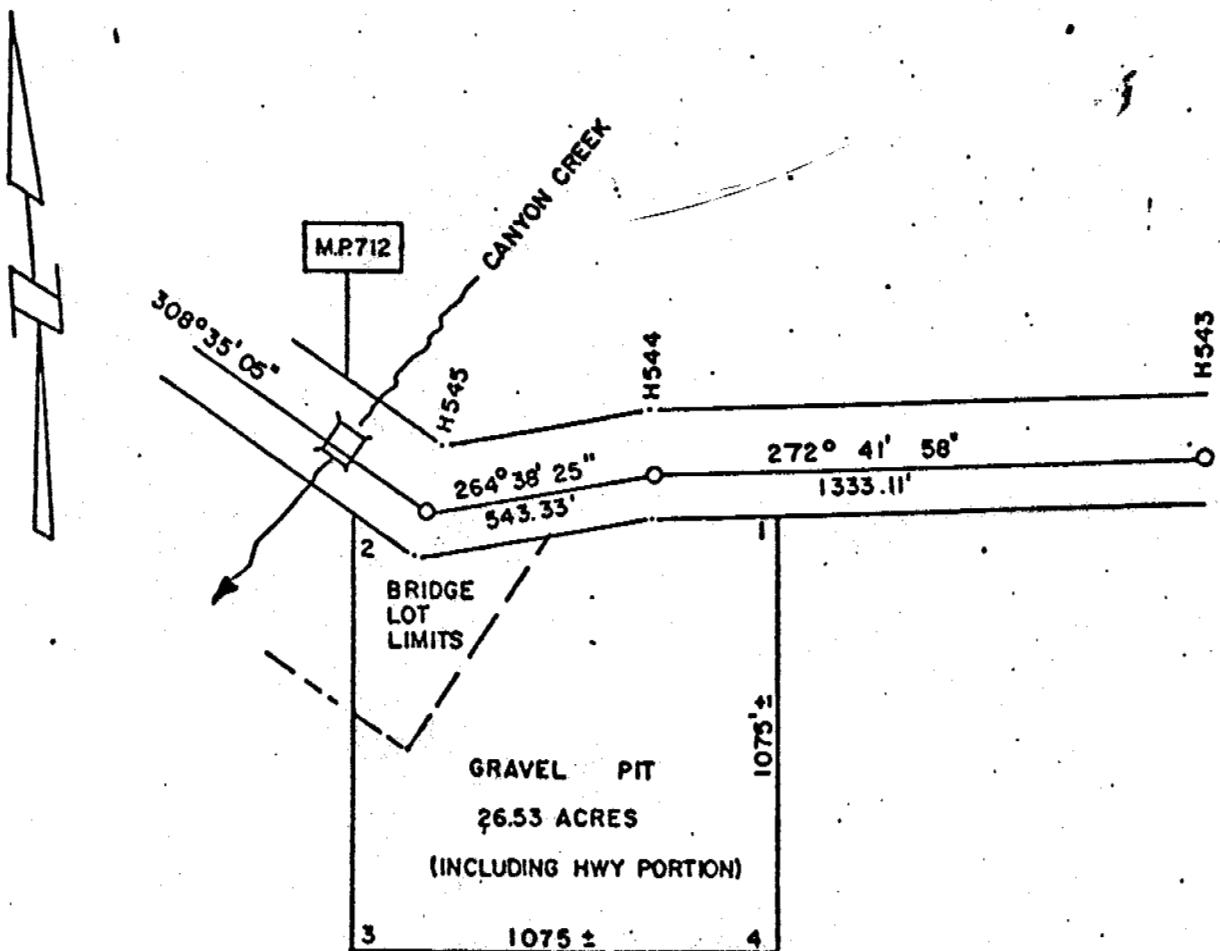
STOCKPILE SITE TYPE	Date:	Amount: Cu.Yds.
	Description:	Tree Cover:
HISTORY	Material: Gravel	Deposit: Glacial Moraine
	Past Use:	Date:
	Performance Rating:	Amount Used:
Remarks:		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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
		93	62	50	41	30	14	2	--	NP

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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 <p>DEPARTMENT OF PUBLIC WORKS CONSTRUCTION &amp; ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT</p>	Drawing title: Titre du dessin:	designed by: conçu par:
	scale: échelle: 1" = 500'	drawn by: dessiné par:
	GRAVEL PIT RESERVE	date: JUNE 1972
	ALASKA HIGHWAY M.P. 712	reviewed by: examiné par:
		approved by: approuvé par:
		project no.: no. du projet:
		dwg. no.: dessin no.:

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 96

Location:  
MP 712.5

Highway No: 1

Side R  L Distance: Adjacent  
Access

KP Highway Name: Alaska

Tenure:  
Plan

Yes

No

Current Status:

Inactive

## STOCKPILE

Date:

Amount:

Cu.Yds.

## SITE

Description: Flat

Tree Cover: Old Burn

## TYPE

Material: Gravel

Deposit:

## HISTORY

Past Use:

Date:

Borrow

Performance Rating:

Amount Used:

Remarks:

## TEST SUMMARY

Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
Lab. Test	<input type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		

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: Watson Lake

Borrow or Test Site No: 97

Location: MP	Highway No: KP	Side: <input checked="" type="checkbox"/> Rx <input type="checkbox"/> L	Distance: <input type="checkbox"/> Adjacent Access
712.8	Highway Name: Alaska		

Tenure:

Plan

Yes

No

Current Status:

Inactive

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date:		Sites Sampled:		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks: Gravely sand in all four holes, max. depth 5 ft.				

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: Watson Lake

Borrow or Test Site No: 98

Location:	Highway No: 1	Side:	R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance: Adjacent
MP 714.2	KP	Highway Name:	Alaska	Access Good

Tenure: Current Status:

Plan

Yes

No

Inactive

**STOCKPILE**

Date:

Amount:

Cu.Yds.

**SITE**

Description: Flat

Tree Cover: Old Burn

**TYPE**

Material: Gravel

Deposit: Remnant Terrace

**HISTORY**

Past Use: Borrow

Date:

Performance Rating:

Amount Used:

Remarks:

**TEST SUMMARY**

Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		

Date:

Sites Sampled:

**SUBSURFACE TEST RESULTS**

Depth

Max.

Min.

Average

Overburden

Material

Quantity:(CuYds) Estimated Small

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. 8	No. 30	No. 200	LL	PI
601		80	75	60	54	48	9	2		
602		88	73	54	44	38	13	2		
603		56	44	34	29	25	9	2		
604		62	71	58	45	32	5	1		
566		85	53	36	29	24	10	3		
		81	70	60	49	40	15	2		
		94	77	56	42	31	10	2		

Potential Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 99

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	Adjacent
MP	715.6	KP	Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

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

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date:		Sites Sampled:		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity (CuYds) Estimated		Proven		
Remarks:				

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:		Crush Count:							
Other Tests:										
<b>Grain Size Analysis</b>		<b>% Passing Sieve Size</b>								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 40	No. 200	LL	PI
		87	60	41	29	21	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: Watson Lake

Borrow or Test Site No: 100

Location:	Highway No: 1	Side: R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent
MP 715.7	KP [ ] Highway Name: Alaska	Access	Good

Tenure:	Plan Yes [ ] No [ ]	Current Status: Inactive
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STOCKPILE SITE TYPE HISTORY	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: Flat - Gently Rolling	
	Tree Cover: Heavy Spruce	
	Material: Gravel	Deposit: [ ]
	Past Use: Borrow	Date: [ ]
Performance Rating: [ ]		
Remarks: [ ]		

TEST SUMMARY  SUBSURFACE TEST RESULTS	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
	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: Watson Lake

Borrow or Test Site No: 101

Location: MP 716.1	Highway No: 1 KP [ ]	Side R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent Access [ ]
-----------------------	-------------------------	---	----------------------------------

Tenure: Plan Yes [ ] No [ ]	Current Status:
--------------------------------	-----------------

<b>STOCKPILE SITE TYPE HISTORY</b>	Date: [ ]	Amount: Cu.Yds. [ ]
	Description: [ ]	Tree Cover: [ ]
	Material: Large Boulders [ ]	Deposit: [ ]
	Past Use: [ ]	Date: [ ]
	Performance Rating: [ ]	Amount Used: [ ]
Remarks: [ ]		

<b>TEST SUMMARY</b>  <b>SUBSURFACE TEST RESULTS</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
	Date: [ ]	Sites Sampled: [ ]		
	Depth [ ]	Max. [ ]	Min. [ ]	Average [ ]
	Overburden [ ]	[ ]	[ ]	[ ]
Material [ ]	[ ]	[ ]	[ ]	
Quantity:(CuYds) Estimated [ ]		Proven [ ]		
Remarks: Unable to penetrate ground. [ ]				

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: Watson Lake

Borrow or Test Site No: 102

Location: Highway No: 1 Side R  L  X Distance: 0.2 mi  
MP 716.2 KP Highway Name: Alaska Access

Tenure: Current Status:  
Plan Yes  No

**STOCKPILE**

Date:

Amount:

Cu.Yds.

**SITE**

Description:

Tree Cover:

**TYPE**

Material: Gravel

Deposit:

**HISTORY**

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

**TEST SUMMARY**

Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		

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
606	3'	74	59	47	35	24	19	2	---	NP

Potential Conflicts

**Environmental:**

Land Use:

**REFERENCE:**

DPW Materials Inventory; Alaska Highway Technical Data

YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 103

Location:	Highway No:	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance:	Adjacent
MP 716.6	KP [ ]	Highway Name:	[ ] Alaska	Access	[ ]

Tenure:	Current Status:		
Plan	Yes [ ]	No [ ]	

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

<b>TEST SUMMARY</b>	<input type="checkbox"/> Augered	<input type="checkbox"/> Pitted	<input type="checkbox"/> Trenched	<input type="checkbox"/> Not Indicated	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/> Lab. Test	<input type="checkbox"/> Sketch (Plan)	<input type="checkbox"/> Crushed:	<input type="checkbox"/>	
	Date:	Sites Sampled:			
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average	
	Overburden				
	Material				
Quantity:(CuYds) Estimated			Proven		
Remarks:					

<b>LAB. TEST RESULTS</b>	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	98	94	91	88	62	14	--	NP	

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 104

Location:	Highway No:	1	Side	<input checked="" type="checkbox"/> Rx <input type="checkbox"/> L	Distance:	Adjacent
MP 719.2	KP	Highway Name:	Alaska	Access	None	

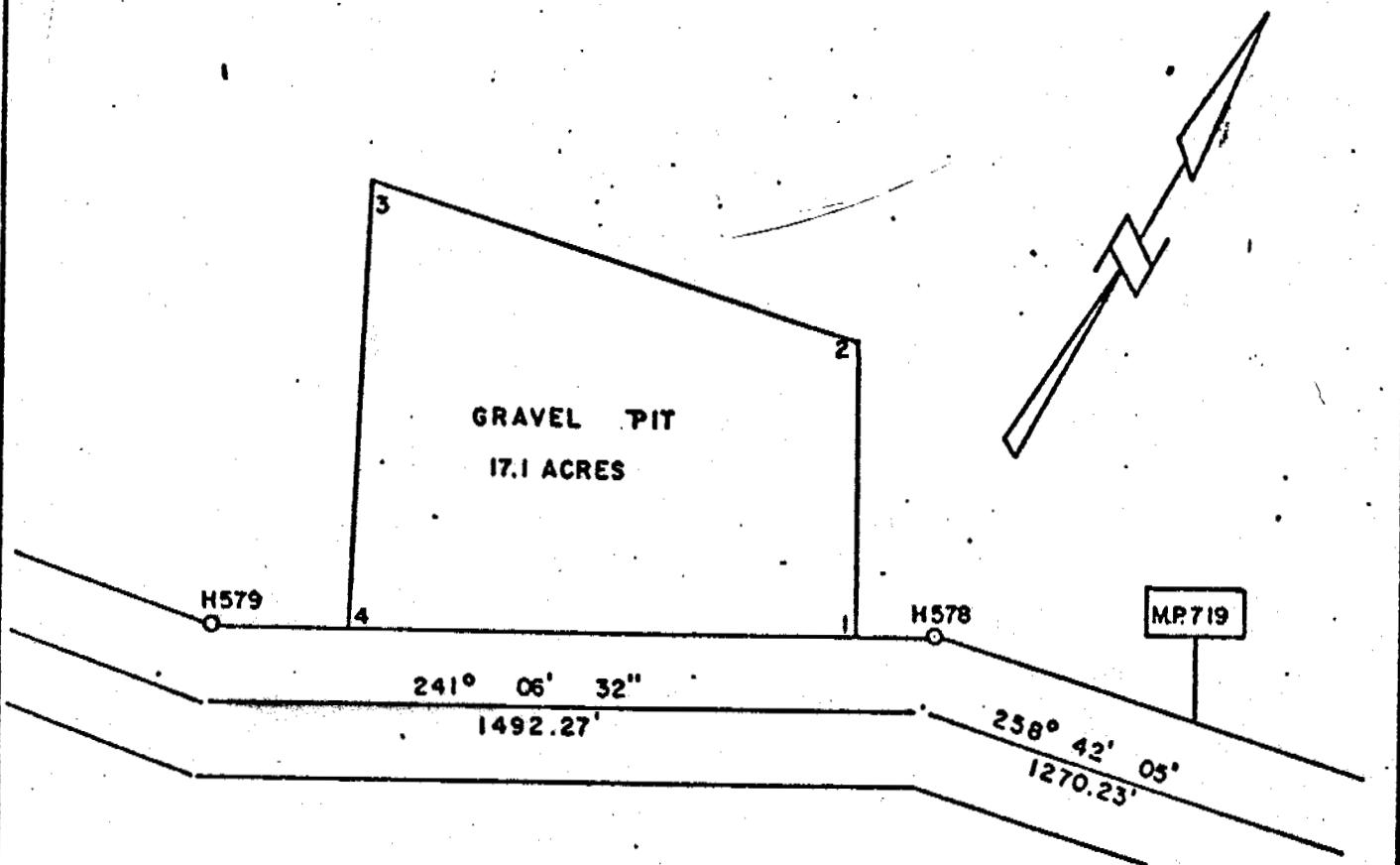
Tenure: Gravel Pit Reserve Plan	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Current Status: Active
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STOCKPILE SITE TYPE	Date: June/77	Crush	Amount: ± 10,000 Cu.Yds
	Description:	Tree Cover: Mod. Spruce, Pop	
HISTORY	Material: Argillite, Schist, Glacial Till	Deposit:	
	Past Use: Borrow - Surfacing	Date: 196?	
	Performance Rating: Argillite - Good	Amount Used:	
Remarks:			

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: July/71		Sites Sampled: 56 Pits		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks: Springs along sidehill in pit area. Black argillite is best surfacing material. Schist has plasticity.				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:	Petrographic Analysis: Granitic - 30%; Schist - 60%; Quartz - 5%; Others - 5% Rock - Black Limy Baritic Argillite									
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
Stockpile - Crush	100	100	91	82	69	42	19	--	NP	
Pitrun - Av. 3 pits	100	99	68	54	40	33	26	20	3	
Pitrun - Av. 10 pits	93	84	76	69	61	44	26			
Crush-3/4" Av. 9 pits	100	96	67	48	35	20	11	24	4	
Crush Schist - 3/4"	100	96	67	48	35	20	11	24	4	
Crush Argillite-3/4"	100	98	67	49	36	25	16	22	7	
Potential Conflicts	Environmental:									
	Land Use:									

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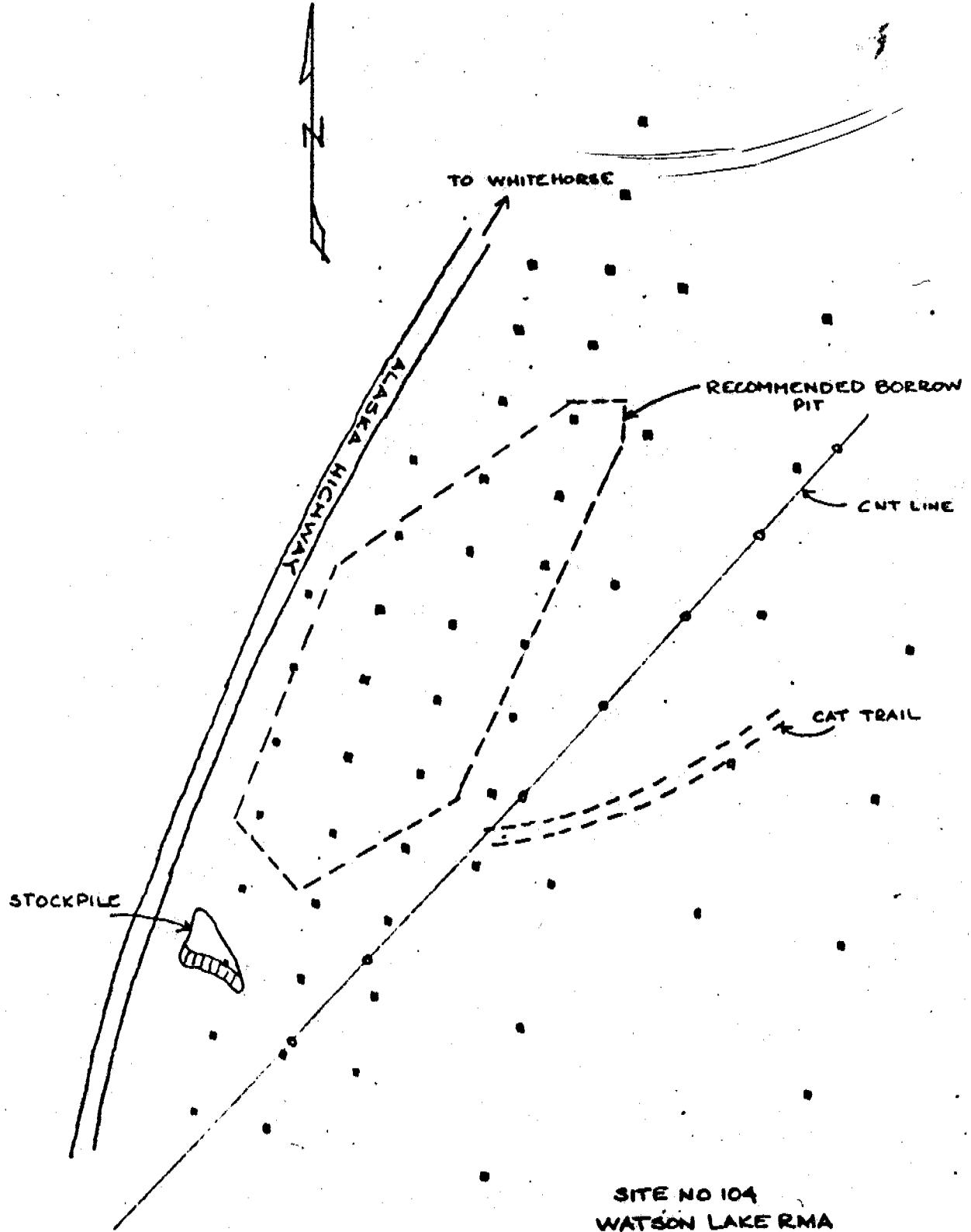


DEPARTMENT OF PUBLIC WORKS  
CONSTRUCTION & ENGINEERING  
PACIFIC REGION  
WHITEHORSE DISTRICT

Drawing title:  
Titre du dessin:  
**GRAVEL PIT RESERVE**  
Scale:  
échelle 1" = 400'

ALASKA HIGHWAY  
M.P. 719.2

designed by: conçu par:	date: date:
drawn by: dessiné par:	<b>JUNE 1972</b>
reviewed by: examiné par:	
approved by: approuvé par:	
project no.: no. du projet:	draw. no.: dessin no.:



SITE NO 104  
WATSON LAKE RMA  
TEST AREA  
ALASKA HIGHWAY MP 719.2 RMS  
1 IN = 200 FT  
8 TEST PITS

YUKON GRAVEL INVENTORY

R.M. Area Watson Lake

Borrow or Test Site No: 105

Location:	Highway No:	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	Adjacent
MP 719.4	KP Highway Name: Alaska			Access	

Tenure:

Plan

Yes

No

Current Status:

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	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
		100	97	83	75	67	57	31	--	NP

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 106

Location: MP 720.3	Highway No: 1 KP [ ] Highway Name: Alaska	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: Adjacent Access [ ]
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Tenure: Plan	Yes <input type="checkbox"/> No <input type="checkbox"/>	Current Status:
-----------------	--	-----------------

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
	Date: [ ]	Sites Sampled: [ ]		
	Subsurface Test Results	Depth [ ]	Max. [ ]	Min. [ ]
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	
		100	82	76	69	62	52	33	--	NP	

Potential Conflicts	Environmental: [ ]
	Land Use: [ ]

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

R.M. Area: Watson Lake

Borrow or Test Site No: 107

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance:	0.5 mi
MP	721.1	KP	Highway Name: Alaska		Access	

Tenure:	Current Status:	
Plan	Yes	No

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

<b>TEST SUMMARY  SUBSURFACE TEST RESULTS</b>	Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
	Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
	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. 30	No. 200	LL	PI
		47	45	39	34	27	11	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: Watson Lake

Borrow or Test Site No: 108

Location:	Highway No:	1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance:	0.1 mi
MP 721.4	KP		Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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
613	4'	100	91	86	74	55	25	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: Watson Lake

Borrow or Test Site No: 109

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	Adjacent
MP	721.4	KP	Highway Name:	Alaska	Access	Good

Tenure: Gravel Pit Reserve Appl.	Current Status:
Plan Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Inactive

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

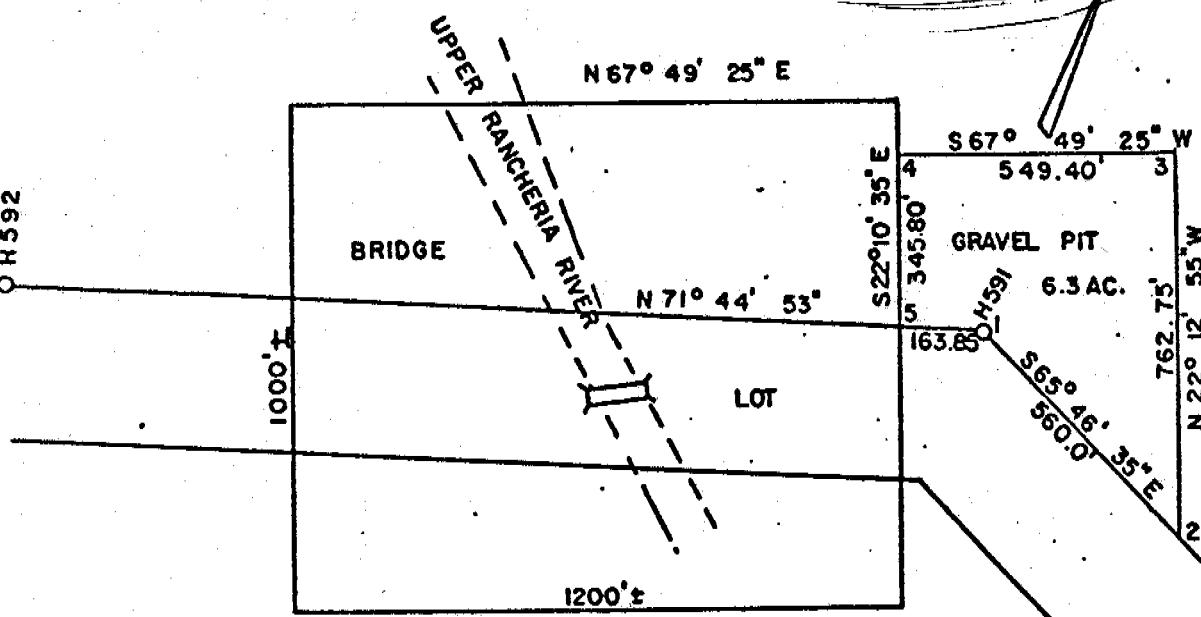
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date:		Sites Sampled:		
SUBSURFACE TEST 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 Materials Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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H 592



DEPARTMENT OF PUBLIC WORKS CONSTRUCTION & ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT	Drawing title: Titre du dessin:	designed by: conçu par:	date: JUNE 1972
	scale: échelle: 1" = 400'	drawn by: dessiné par:	
ALASKA HIGHWAY M.P. 721.4	reviewed by: examiné par:	approved by: approuvé par:	project no.: no du projet:
			dwg. no.: dessin no.

**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 110

Location:	Highway No:	1	Side	R <input type="checkbox"/>	L <input type="checkbox"/>	Distance:	Adjacent
MP 721.6	KP	Highway Name:	Alaska	Access			

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

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

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	Date:	Sites Sampled:		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks:				

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
<b>Grain Size Analysis</b>		<b>% Passing Sieve Size</b>								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI
612		75	72	57	51	42	23	3	--	NP

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

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

R.M. Area: Watson Lake

Borrow or Test Site No: 111

Location:	Highway No: <input type="text"/>	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 122.5	KP <input type="text"/> Highway Name: Alaska	Access: None	

Tenure: Gravel Pit Reserve Plan	Yes <input type="checkbox"/> No <input type="checkbox"/>	Current Status: Inactive
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STOCKPILE SITE TYPE HISTORY	Date: <input type="text"/>	Amount: Cu.Yds.
	Description: Flat	Tree Cover: Mod. Spruce, Pine
	Material: Schist, Phyllite, Gravel	Deposit:
	Past Use: Borrow - Surfacing	Date:
Performance Rating:	Amount Used:	
Remarks:		

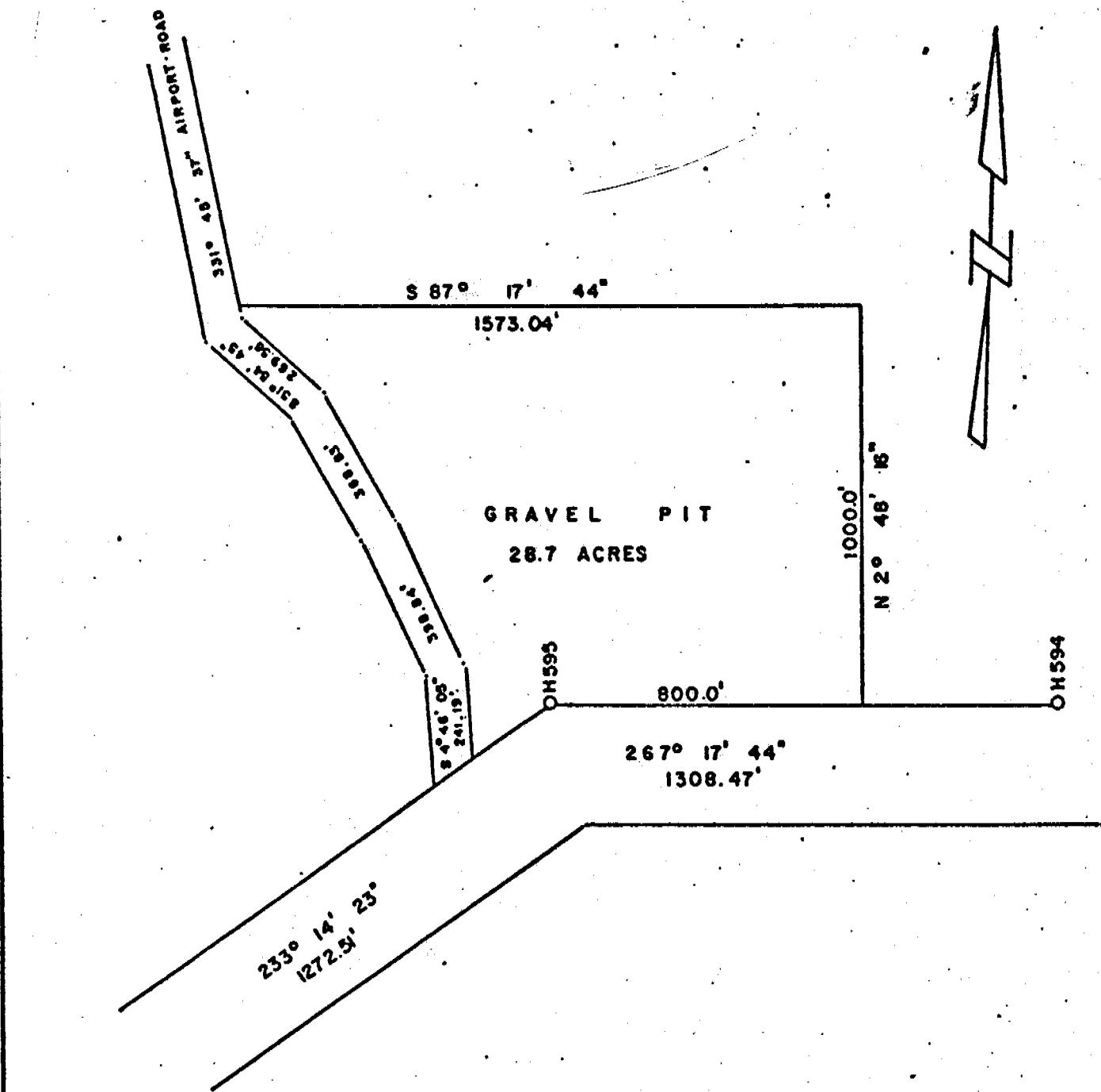
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input checked="" type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input checked="" type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date: July/71		Sites Sampled: 10 Pits		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden	3 $\frac{1}{2}$ '	1'	1 $\frac{1}{2}$ '
	Material	9 $\frac{1}{2}$ '	1' (rock)	
Quantity:(CuYds) Estimated		Proven		
Remarks: - wet, swampy with permafrost immediately back of worked area. - limited amount of accessible material. - post use report indicates phyllite forms good surface. - water table 1-4.5 feet				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss:	Crush Count:
Other Tests:	Petrographic Analysis: Phyllite - 67%; Quartzite - 33%	

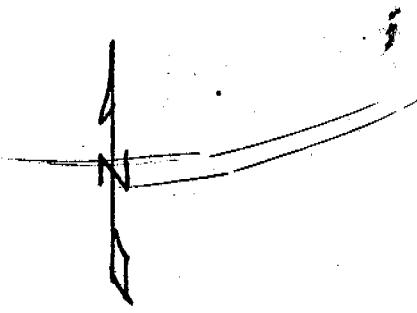
Grain Size Analysis		% Passing Sieve Size								
Hole No.	Depth	1"	3/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI
Crush 1963		83	79	65	52	38	22	5	--	NP
Crush - 1960		1	94	78	61	45	22	7	--	--
		1 $\frac{1}{2}$ "						No.40		
Crush-3/4"		100	95	73	56	38	21	12	25	4

Potential Conflicts	Environmental: <input type="text"/>
	Land Use: <input type="text"/>

REFERENCE:	DPW Material Inventory; Alaska Highway Technical Data; DPW Legal File; Federal Lands Office
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<p>DEPARTMENT OF PUBLIC WORKS CONSTRUCTION &amp; ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT</p>	<p>Drawing title: Titre du dessin:</p> <p><b>GRAVEL PIT RESERVE</b></p> <p>scale: échelle: 1" = 400'</p>	<p>designed by: conçu par:</p> <p><b>JUNE 1972</b></p>
	<p>drawn by: dessiné par:</p> <p>reviewed by: examiné par:</p> <p>approved by: approuvé par:</p> <p>project no.: no. du projet:</p>	<p>dwg no. dessin no.</p>
<p>ALASKA HIGHWAY M.P. 722.5</p>		



TO WHITEHORSE



ALASKA HIGHWAY

SITE NO III  
WATSON LAKE R.M.A.

TEST AREA

ALASKA HIGHWAY, MP 722.5 RHS

1 M = 200 FT

B TEST PIT

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 112

Location: Highway No: 1 Side  R  L  Distance: 0.1 mi  
 722.5 KP Highway Name: Alaska Access Excellent  
 (LHS Pine Lake Airstrip Rd.)

Tenure: Gravel Pit Reserve Appl. Current Status: Inactive  
 Plan Yes  No

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>
Date:		Sites Sampled:		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
Overburden				
Material				
Quantity: (CuYds) Estimated		Proven		
Remarks: Testing at Borrow or Test Site No. 111 may Cover This Pit				

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

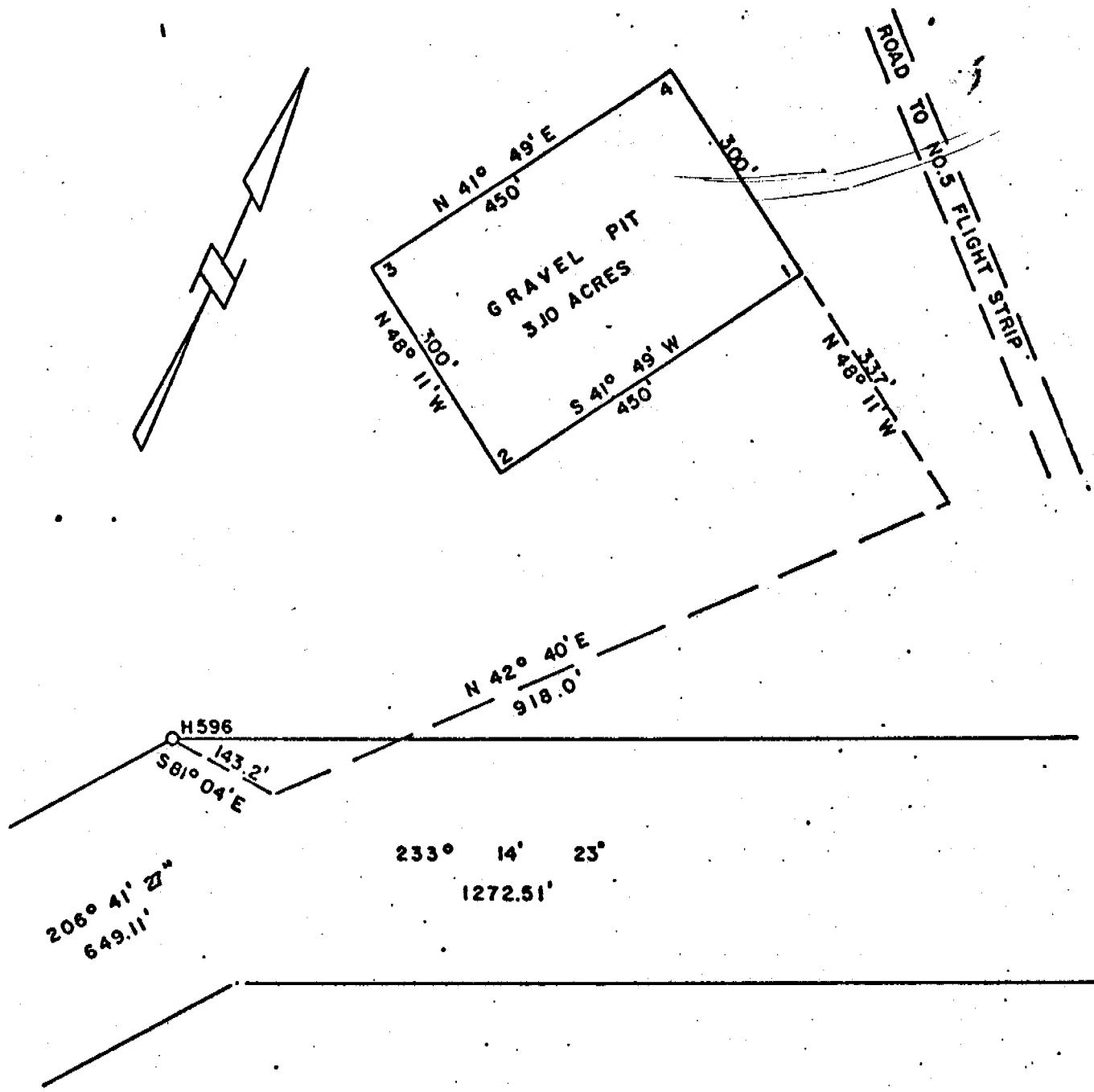
Potential Conflicts	Environmental
	Land Use

REFERENCE:	DPW Legal File; Federal Lands Office
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**LEGAL DESCRIPTION  
GRAVEL PIT MILE 722.5**

Beginning at Legal Survey Monument H 596 located on the northwesterly boundary of the Alaska Highway at Mile 722.6 more or less, thence on a true bearing of N 81°04' E for a distance of one hundred forty-three and two tenths feet (143.2 ft); thence in a true bearing of N 42°40' E for a distance of Nine hundred and eighteen feet (918.0 ft); thence on a true bearing of N 84°11' W a distance of Three hundred and thirty-seven feet (337.0 ft) to Post No. 1 point of commencement; thence on a true bearing of S 41° 49' W for a distance of Four hundred and fifty feet (450 ft) to Post No. 2; thence on a true bearing of N 48° 11' W a distance of Three hundred feet (300 ft) to Post No 3; thence on a true bearing of N 41°49' E for a distance of Four hundred and fifty feet (450 ft) to Post No 4; thence on a true bearing of S 48°11' E a distance of Three hundred feet to Post No 1, Point of commencement.

The land contained therein being 3.10 acres more or less.



 DEPARTMENT OF PUBLIC WORKS CONSTRUCTION & ENGINEERING PACIFIC REGION WHITEHORSE DISTRICT	Drawing title: Titre du dessin: <b>GRAVEL PIT RESERVE</b> scale: échelle 1" = 400'	designed by: conçu par:  drawn by: dessiné par: <b>JUNE 1972</b>
	<b>ALASKA HIGHWAY</b> M.P.722.5	reviewed by: examiné par:  approved by: approuvé par:  project no.: no. du projet: dwg no.: dessin no.

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 113

Location:	Highway No: 1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: 1.4 mi
MP 722.5	KP [ ] Highway Name: Alaska			Access Excellent
(Pine Lake Airstrip Rd)				

Tenure:

Plan

Yes

No

Current Status:

Inactive

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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:	
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**YUKON GRAVEL INVENTORY**

R.M. Area: Watson Lake

Borrow or Test Site No: 114

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	0.6 mi
MP	722.6	KP	Highway Name:	Alaska	Access	

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

STOCKPILE SITE TYPE	Date:	Amount:	Cu.Yds.	
	Description:	Tree Cover:		
HISTORY	Material: Gravel	Deposit:		
	Past Use:	Date:		
	Performance Rating:	Amount Used:		
Remarks:				
TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date:		Sites Sampled:		
SUBSURFACE TEST RESULTS	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks:				

Other Tests:											
Grain Size Analysis		% Passing Sieve Size									
Hole No.	Depth	1-1/2"	5/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI	
614		72	54	44	38	31	11	--	--	NP	
693		63	36	26	23	17	7	--	--	NP	

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area Watson Lake

Borrow or Test Site No: 115

Location: MP 722.7	Highway No: 1 KP [ ] Highway Name: Alaska	Side R <input type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent Access [ ]
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Tenure: Plan	Yes [ ]	No [ ]	Current Status:
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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 <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	[ ]
	Date: [ ]	Sites Sampled: [ ]		
	Subsurface Test Results	Depth	Max.	Min.
	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
733		94	85	72	57	31	3	1	--	NP
735		88	62	48	40	24	6	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: Watson Lake

Borrow or Test Site No: 116

Location:	Highway No:	Side	<input checked="" type="checkbox"/> R	<input type="checkbox"/> L	Distance:	0.1 mi
MP 722.9	KP [ ]	Highway Name:	Alaska Access			

Tenure:	Current Status:		
Plan	Yes [ ]	No [ ]	

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

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	Date:	Sites Sampled:		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks:				

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:	Crush Count:								
Other Tests:										
<b>Grain Size Analysis</b>		<b>% Passing Sieve Size</b>								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI
746	79	62	50	41	32	15	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: Watson Lake

Borrow or Test Site No: 117

Location: Highway No: 1  
MP 723.0 KP [ ]

Side R  L

Distance: Adjacent  
Access Poor

Highway Name: Alaska

Tenure:  
Plan

Yes  No

Current Status: Inactive

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input type="checkbox"/>
	Lab. Test <input type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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:	
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## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 118

Location: Highway No: 1 Side R  L  ? Distance: / Adjacent  
 MP 723.0 KP Highway Name: Alaska Access

Tenure: Current Status:  
 Plan Yes  No

## STOCKPILE

Date: Amount: Cu.Yds.

## SITE

Description: Tree Cover:

## TYPE

Material: Gravel Deposit:

## HISTORY

Past Use: Date:

Performance Rating: Amount Used:

Remarks:

## TEST SUMMARY

Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		

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. 8	No. 30	No. 200	LL	PI
		88	73	59	47	36	16	1	--	--

## Potential Conflicts

Environmental:

Land Use:

## REFERENCE:

DPW Materials Inventory; Alaska Highway Technical Data

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 119

Location:	Highway No: 1	Side: R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance: Adjacent
MP 723.5	KP Highway Name: Alaska	Access	

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

STOCKPILE SITE TYPE HISTORY	Date: <input type="text"/>	Amount: Cu.Yds <input type="text"/>
	Description: <input type="text"/>	Tree Cover: <input type="checkbox"/>
	Material: Sandy Gravel <input type="text"/>	Deposit: <input type="checkbox"/>
	Past Use: <input type="text"/>	Date: <input type="text"/>
Performance Rating: <input type="text"/>		Amount Used: <input type="text"/>
Remarks: <input type="text"/>		

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	<input type="checkbox"/>
	Date: <input type="text"/>	Sites Sampled: <input type="text"/>		
	Subsurface Test Results	Depth <input type="text"/>	Max. <input type="text"/>	Min. <input type="text"/>
Overburden <input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
Material <input type="text"/>		<input type="text"/>	<input type="text"/>	<input type="text"/>
Quantity:(CuYds) Estimated <input type="text"/>		Proven <input type="text"/>		
Remarks: <input type="text"/>				

LAB. TEST RESULTS	Los Angeles Abrasion % Loss: <input type="text"/>		Crush Count: <input type="text"/>							
Other Tests: <input type="text"/>										
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
731	5'	84	77	67	61	53	30	1	--	NP

Potential Conflicts	Environmental: <input type="text"/>
	Land Use: <input type="text"/>

REFERENCE:	DPW Material Inventory; Alaska Highway Technical Data
:	

## YUKON GRAVEL INVENTORY

K.M. Area: Watson Lake

Borrow or Test Site No: 120

Location: MP	Highway No: 1 KP	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance: 0.6 mi Access
724.3	Highway Name: Alaska		

Tenure: Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Current Status:
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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 <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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
742		63	49	36	30	26	13	1	--	NP
736	5'	66	45	39	35	29	10	1	--	NP

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 121

Location: Highway No: 1 Side R  L  Distance:  Adjacent  
 MP 725.1 KP Highway Name: Alaska Access

Tenure: Current Status:  
 Plan Yes  No

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

TEST SUMMARY	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
	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	
4/1967		--	100	99	97	95	84	23	--	NP	
738		88	80	58	47	38	31	11	--	NP	

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 122

Location:	Highway No: 1	Side	R <input type="checkbox"/> L <input checked="" type="checkbox"/> X	Distance: 0.2 mi
MP 726.8	KP Highway Name: Alaska	Access		

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

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 <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
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
743	5'	70	37	27	22	16	6	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: Watson Lake

Borrow or Test Site No: 123

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	Adjacent
MP	727.1	KP	Highway Name:	Alaska	Access	Poor

Tenure:	Current Status:		
Plan	Yes	No	Inactive

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

TEST SUMMARY	Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
	Lab. Test	<input type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
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:	
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## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 124

Location:  
MP 727.5Highway No: 1  
KP Highway Name: AlaskaSide R  L Distance: Adjacent  
Access

Tenure:

Plan

Yes

No

Current Status:

STOCKPILE  
SITE

Date:

Amount:

Cu.Yds.

TYPE

Description:

Tree Cover: Light Pine, Alder

HISTORY

Material: Silty Gravel, Glacial Till

Deposit:

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered	<input type="checkbox"/>	Pitted	<input checked="" type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		

Date: July/71

Sites Sampled: 7 Pits

SUBSURFACE  
TEST RESULTS

Depth	Max.	Min.	Average
Overburden	2'	1'	
Material	14'	7½'	

Quantity:(CuYds) Estimated

Proven

Remarks:

Permafrost 4.5 - 7 ft.

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
732		100	84	77	72	66	57	39	--	NP
Av. 6 pits		94	83	75	70	63	47	31	20	5
Av. 6 pits	Crush 3/4"	100	98	80	72	63	47	31	20	5

Potential  
Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Material Inventory; Alaska Highway Technical Data

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 124

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	Adjacent
MP	727.5	KP	Highway Name:	Alaska	Access	

Tenure:

Plan

Yes

No

Current Status:

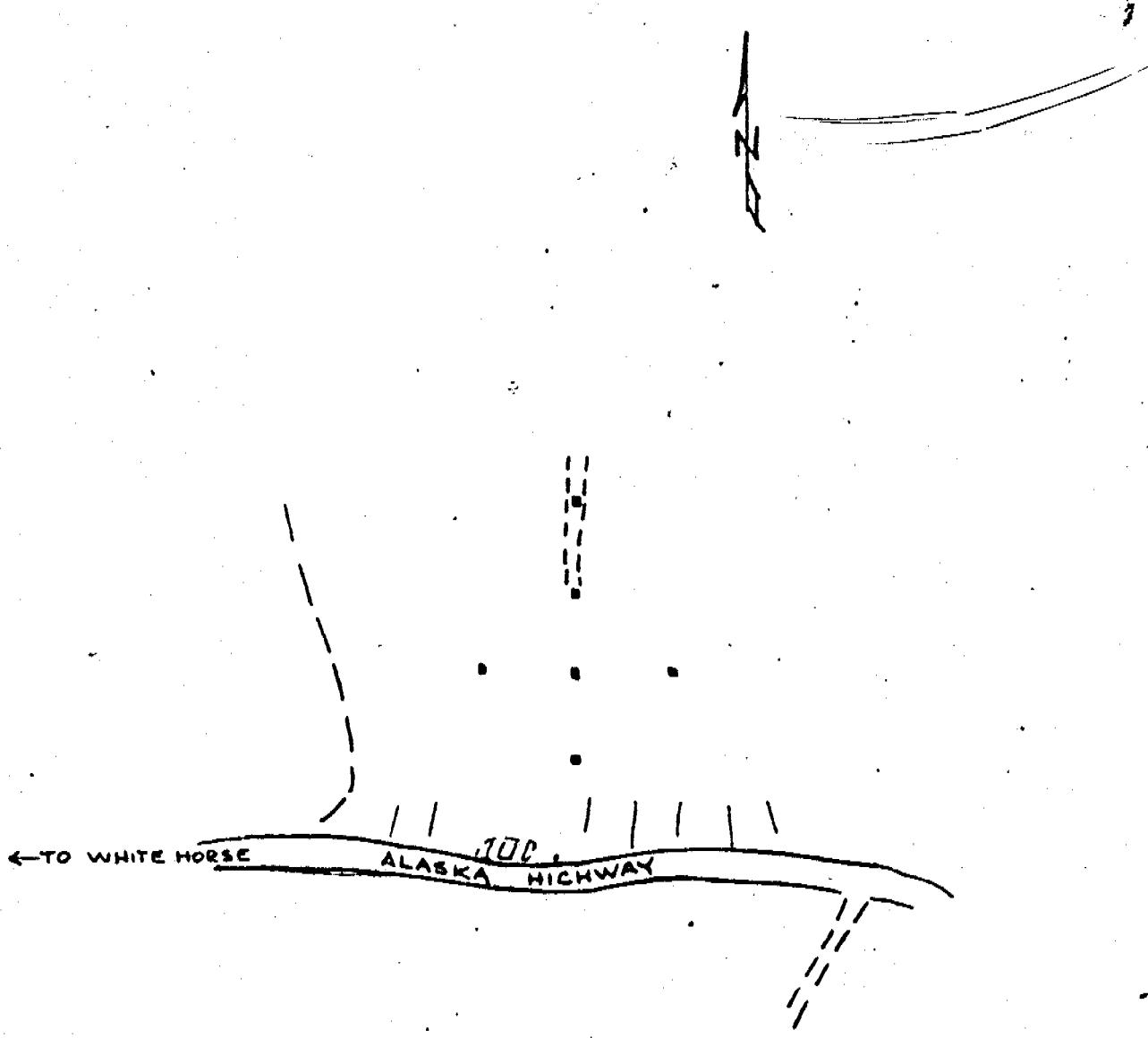
STOCKPILE SITE TYPE HISTORY	Date:	Amount:	Cu.Yds.
	Description:	Tree Cover: Light Pine, Alder	
	Material: Silty Gravel, Glacial Till	Deposit:	
	Past Use:	Date:	
Performance Rating:	Amount Used:		
Remarks:			

TEST SUMMARY	Augered	<input type="checkbox"/>	Pitted	<input checked="" type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input type="checkbox"/>
	Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
Date: July/71		Sites Sampled: 7 Pits						
SUBSURFACE TEST RESULTS	Depth	Max.		Min.		Average		
	Overburden	2'		1'				
	Material	14'		7 $\frac{1}{2}$ '				
Quantity:(CuYds) Estimated				Proven				
Remarks: Permafrost 4.5 - 7 ft.								

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
732		100	84	77	72	66	57	39	--	NP
Av. 6 pits		94	83	75	70	63	47	31	20	5
Av. 6 pits	Crush 3/4"	100	98	80	72	63	47	31	20	5

Potential Conflicts	Environmental:
	Land Use:

REFERENCE:	DPW Material Inventory; Alaska Highway Technical Data
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SITE NO 124  
WATSON LAKE RMA  
TEST AREA  
ALASKA HIGHWAY MP 727.5 RHS  
NO SCALE  
• TEST PIT

## YUKON GRAVEL INVENTORY

R.M. Area: Watson Lake

Borrow or Test Site No: 125

Location:	Highway No:	1	Side R <input type="checkbox"/> L <input checked="" type="checkbox"/>	Distance: 0.2 mi
MP 728.1	KP	Highway Name: Alaska	Access	

Tenure:	Current Status:		
Plan	Yes <input type="checkbox"/>	No <input type="checkbox"/>	

<b>STOCKPILE SITE TYPE HISTORY</b>	Date:	Amount:	Cu.Yds.
	Description:		
	Material: Gravel		
	Past Use:		Date:
	Performance Rating:		Amount Used:
	Remarks:		

<b>TEST SUMMARY</b>	Augered <input type="checkbox"/>	Pitted <input type="checkbox"/>	Trenched <input type="checkbox"/>	Not Indicated <input checked="" type="checkbox"/>
	Lab. Test <input checked="" type="checkbox"/>	Sketch (Plan) <input type="checkbox"/>	Crushed: <input type="checkbox"/>	
Date:		Sites Sampled:		
<b>SUBSURFACE TEST RESULTS</b>	Depth	Max.	Min.	Average
	Overburden			
	Material			
Quantity:(CuYds) Estimated		Proven		
Remarks:				

<b>LAB. TEST RESULTS</b>	Los Angeles Abrasion % Loss:		Crush Count:							
Other Tests:										
<b>Grain Size Analysis</b>		% Passing Sieve Size								
Hole No.	Depth	1-1/2"	3/4"	3/8"	No. 4	No. 10	No. 30	No. 200	LL	PI
740	5'	83	42	25	19	13	7	3	--	NP

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

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

R.M. Area: Watson Lake

Borrow or Test Site No: 126

Location:	Highway No:	1	Side	R <input checked="" type="checkbox"/> L <input type="checkbox"/>	Distance:	0.5 mi
MP	728.2	KP	Highway Name:	Alaska	Access	

Tenure: Current Status:  
 Plan Yes  No

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

TEST SUMMARY	Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
	Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		
	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
734		100	88	82	76	69	58	38	--	NP

Potential Conflicts	Environmental:
	Land Use:

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

R.M. Area: Watson Lake

Borrow or Test Site No: 127

Location: Highway No: 1 Side R  L  Distance: 0.3 mi  
 MP 728.4 KP Highway Name: Alaska Access

Tenure:

Plan

Yes  No 

Current Status:

STOCKPILE

Date:

Amount:

Cu.Yds

SITE

Description:

Tree Cover:

TYPE

Material:

Deposit:

HISTORY

Past Use:

Date:

Performance Rating:

Amount Used:

Remarks:

TEST SUMMARY

Augered	<input type="checkbox"/>	Pitted	<input type="checkbox"/>	Trenched	<input type="checkbox"/>	Not Indicated	<input checked="" type="checkbox"/>
Lab. Test	<input checked="" type="checkbox"/>	Sketch (Plan)	<input type="checkbox"/>	Crushed:	<input type="checkbox"/>		<input type="checkbox"/>

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	
744	74	64	47	36	26	18	5	--		NP	

Potential Conflicts

Environmental:

Land Use:

REFERENCE:

DPW Material Inventory; Alaska Highway Technical Data