

STATEWIDE MATERIAL SITE INVENTORY

MATERIAL SITE
INSPECTION REPORT

Federal Project No. STP-000S(823)
AKSAS Project No. 76149

TOK CUTOFF HIGHWAY

MS 46-2-023-5
Station Creek Pit No. 1

April 29, 2014

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CATEGORY:

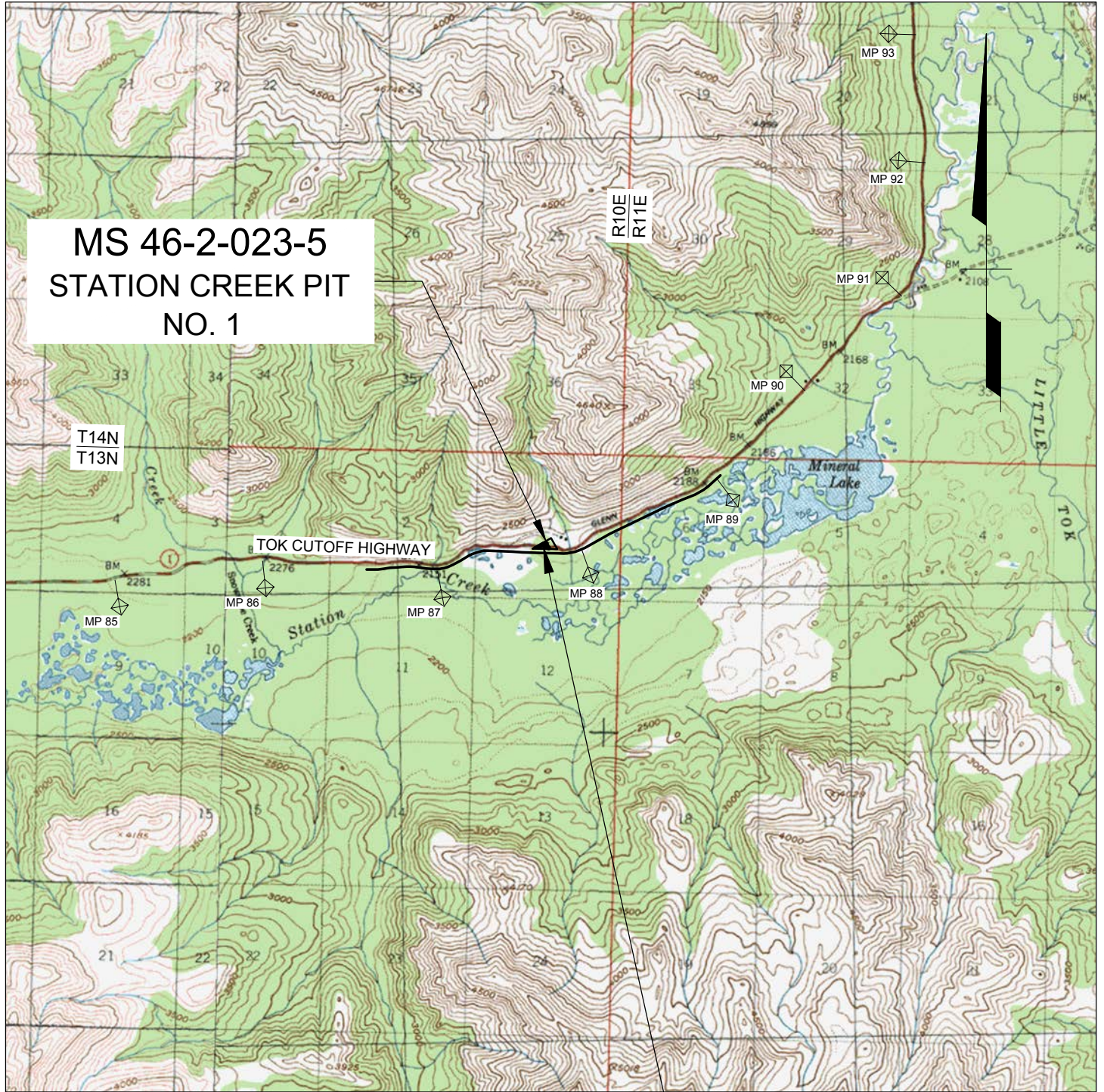
ACTIVE – OPEN

According to information found in the DOT&PF EDMS system in January 2009 and BLM master title plats and case abstracts, this site lies on private land owned by Ahtna, Inc. and Mentasta Incorporated. In 1963, an indefinite right-of-way grant (F-31377) was issued to DOT&PF for this site by BLM. The site was originally designated Mile 86 Pit and B. P. 1.

The land was interim conveyed to Ahtna, Inc. (IC 227/2202-subsurface estate) and Ahtna acting as successor in interest to Mentasta Incorporated (IC 226/2201-surface estate) in 1979. Administration of the site was waived to Ahtna, Inc. in 1986. The interim conveyances were subject to the material site right-of-way.

The site adjoins the north side of the Tok Cutoff Highway right-of-way and there is an existing access road into the site. Another active site, MS 46-2-004-5, lies adjacent to the north boundary of the site. The site appears to contain significant quantities of sand and gravel and should be retained by DOT&PF for future use.

LOCATION MAP



**MS 46-2-023-5
STATION CREEK PIT
NO. 1**

Z:\project\1443\03\46_Tok_Cutoff_Highway\MS_46-2-023-5-A\acad\MS_Topo_Map_46-2-023-5.dwg

Plotted 7/15/2015 4:57 PM by Pete Hardcastle

U.S.G.S. QUADRANGLE: NABESNIA (D-6) & (D-5)

GPS COORDINATES FROM GOOGLE EARTH

UTM (WGS84-METERS)
 ZONE 7: N 6,980,667 E 376,514
 AK STATE PLANE (NAD83-US SURVEY FT)
 ZONE 2: N 3,267,445 E 1,401,705

ACTIVE - OPEN



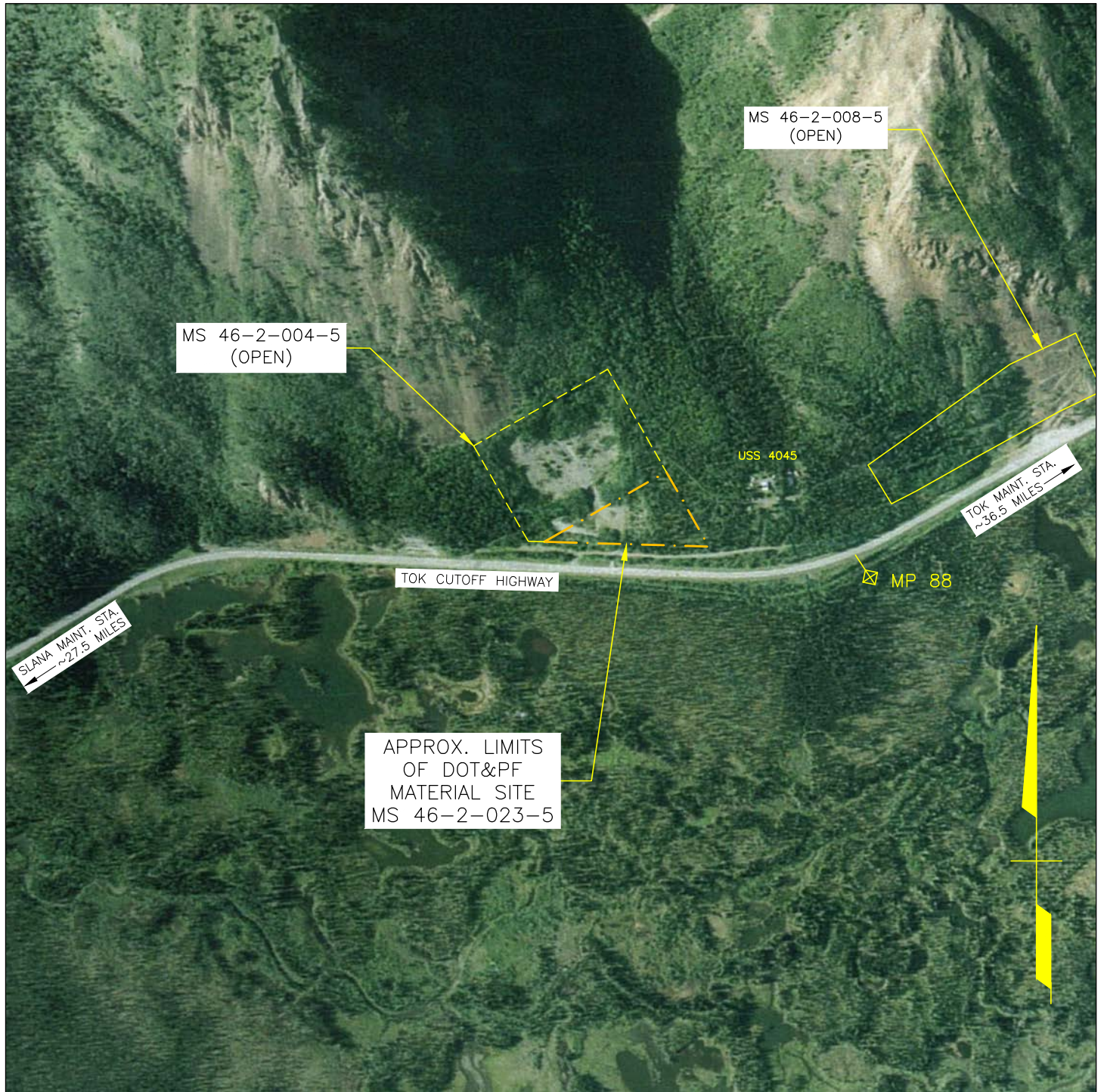
GRAPHIC SCALE IN MILES

BASE MAP CREATED WITH TERRAIN NAVIGATOR PRO

Prepared By:
R&M CONSULTANTS, INC.

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
STATEWIDE MATERIAL SITE INVENTORY			
MS 46-2-023-5			
SCALE AS SHOWN	DESIGNED K.G.T CHECKED C.H.R.	DRAWN K.G.T DATE FEB. 2014	PAGE 2

SITE MAP



BASE MAP IS MAY 18, 2004 AERIAL PHOTOGRAPHY. THIS IS A PLANNING DOCUMENT ONLY. THE MATERIAL SITE BOUNDARIES SHOWN ON THIS DRAWING ARE APPROXIMATE. OWNERSHIP OF THE LANDS ADJACENT TO THIS SITE ARE UNKNOWN. THE ACCESS ROW SHOULD BE VERIFIED.

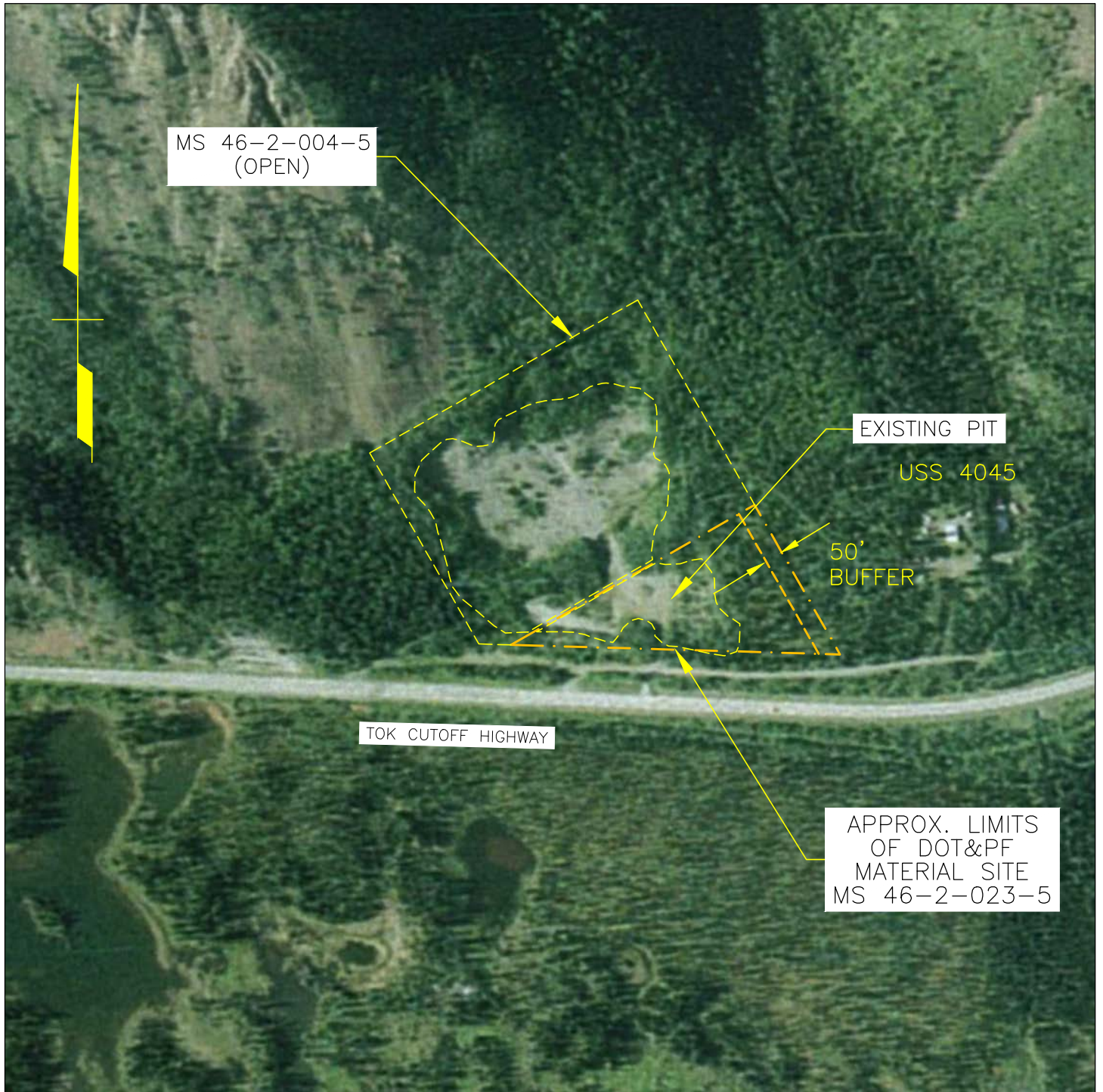
ACTIVE - OPEN



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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
STATEWIDE MATERIAL SITE INVENTORY MS 46-2-023-5			
SCALE	DESIGNED	DRAWN	PAGE
AS SHOWN	P.K.H. CHECKED C.H.R.	P.K.H. DATE FEB. 2014	3A

SITE MAP



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MS 46-2-023-5			
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AS SHOWN	CHECKED	C.H.R.	DATE
			FEB. 2014
			PAGE 3B

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

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

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

1. **MS_ID** 46-2-023-5
Enter the full material site number e.g.. 31-3-045-2
2. **DATE_INSPECT** 7/17/2014
Date of field inspection
3. **FLD_INSPEC_ORG** KYLE THERRIEN/ R&M CONSULTANTS
Name of inspector / Organization or Company

4. **REGION** NORTHERN
5. **LOCATION** TOK CUTOFF HIGHWAY
Name of Highway Enter Name of Facility or Secondary Route Name
(i.e.Kotzebue Airport, Nash Road, etc.)

6. **MILEPOST** 87.5
List the closest main highway milepost

7. **NAME** Station Creek Pit No. 1
Enter commonly used name (s), e.g. Hess pit, Gobblers Knob, Midway. List all that apply separated by commas.

8. **MAINT_DIST/STAT** District TAZLINA Station SLANA
Highway Maintenance District and Station, for locations not on highways select other.

9. **QUAD** NEBESNA D-5
U.S.G.S. Quad. Map

10. **TOWNSHIP/RANGE** T#S R#E T13N R10E & Meridian CRM
Section 1

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>11. COOR_UTM</p> <p> ZONE <u>7</u></p> <p>NORTHING <u>6,980,667</u></p> <p>EASTING <u>376,514</u></p> <p>UTM WGS84 - Meters</p> | <p>12. COOR_STATE_PLANE</p> <p> ZONE <u>2</u></p> <p>NORTHING <u>3,267,445</u></p> <p>EASTING <u>1,401,705</u></p> <p>Alaska State Plane NAD83 - Survey Feet</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

13. **BOROUGH/CITY** UNORGANIZED **TAX ID NO.** NA

14. **DNR_LAND_USE_PLAN** EASTERN TANANA BASIN AREA PLAN

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

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

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

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

35. **GROUNDWATER**

During the July, 2014 inspection there was no water observed within the material site. The depth to groundwater underlying the pit is unknown.

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

36. LITHOLOGY_1 Dominant type	<u>FLUVIAL</u>	37. LITHOLOGY_2 Subordinate type
IGNEOUS ROCK		Undifferentiated Igneous Rocks
GRANITIC		Granite/Monzonite/Granodiorite
DIORITE/GABBRO		Diorite/Gabbro
BASALT		Dark colored fine-grained Igneous Rocks
GREENSTONE		Altered Volcanic Rocks w/green tint
METAMORPHIC ROCK		Undifferentiated Metamorphic Rocks
SCHIST/PHYLLITE		Includes rocks ranging from slate to schist
GNEISS		Includes hard schistose rocks
MARBLE		
CATACLASTIC		Incl. Valdez Formation Rocks, Kenai Penn.
MÉLANGE		Incl. McHugh Formation Rocks, Kenai Penn.
SEDIMENTARY ROCK		Undifferentiated Sedimentary Rocks
CONGLOMERATE		
SANDSTONE		Includes greywacke, etc.
SHALE/MUDSTONE		
LIMESTONE		
FLUVIAL		River and stream deposits (floodplain), includes outwash.
ALLUVIAL		Alluvial / Debris Fan deposits
GLACIOFLUVIAL		Eskers, kames, etc.
GLACIAL		Till
COLLUVIAL		Talus, etc.
EOLIAN		Sand Dunes, etc.
SILT		Loess, fluvial silts, etc.
OTHER		Explain in Section 44.

38. MATERIAL CLASSIFICATION

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

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

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

39. COBBLES_AND_BOULDERS

Test Boring Callout / ASTM Classification, either a. or b. and c. not both (Can use ranges i.e. 0 to 20)

39a.	CONTAINS	_____	
39b.	Est. % by VOL.	_____ 20 _____	(Est. From Visual Observations)
39c.	MAX. SIZE (in.)	_____ 96 _____	(Observed Size)

40. AGG_TEST_RESULTS

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

40a. SG APP COARSE	_____
40b. SG APP FINE	_____
40c. ABSORPTION CRSE	_____
40d. ABSORPTION FINE	_____
40e. NORDIC ABRASION	_____
40f. L.A. ABRASION	_____
40g. DEGRADATION (T-13)	_____
40h. NASO4 LOSS COARSE	_____
40i. NASO4 LOSS FINE	_____

41. POTENTIAL_USABILITY TYPES A AND B MATERIAL AVAILABLE

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

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

42. SPECIAL_PROBLEMS _____

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

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

**STATEWIDE MATERIAL SITE INVENTORY
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43. RIPRAP

NOT POSSIBLE

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

PREVIOUS PRODUCTION

There is a record of production.

POSSIBLE FURTHER INVESTIGATION NEEDED

The site is a bedrock quarry containing hard rock

NOT POSSIBLE

The site has soft rock or soil.

UNKNOWN

OTHER

Explain in Section 44, Notes.

44. NOTES

Note number of item being discussed.

STATEWIDE MATERIAL SITE INVENTORY

MATERIAL SITE
INSPECTION REPORT

Federal Project No. STP-000S(823)
AKSAS Project No. 76149

TOK CUTOFF HIGHWAY

MS 46-2-004-5
Station Creek Pit No. 2

April 29, 2014

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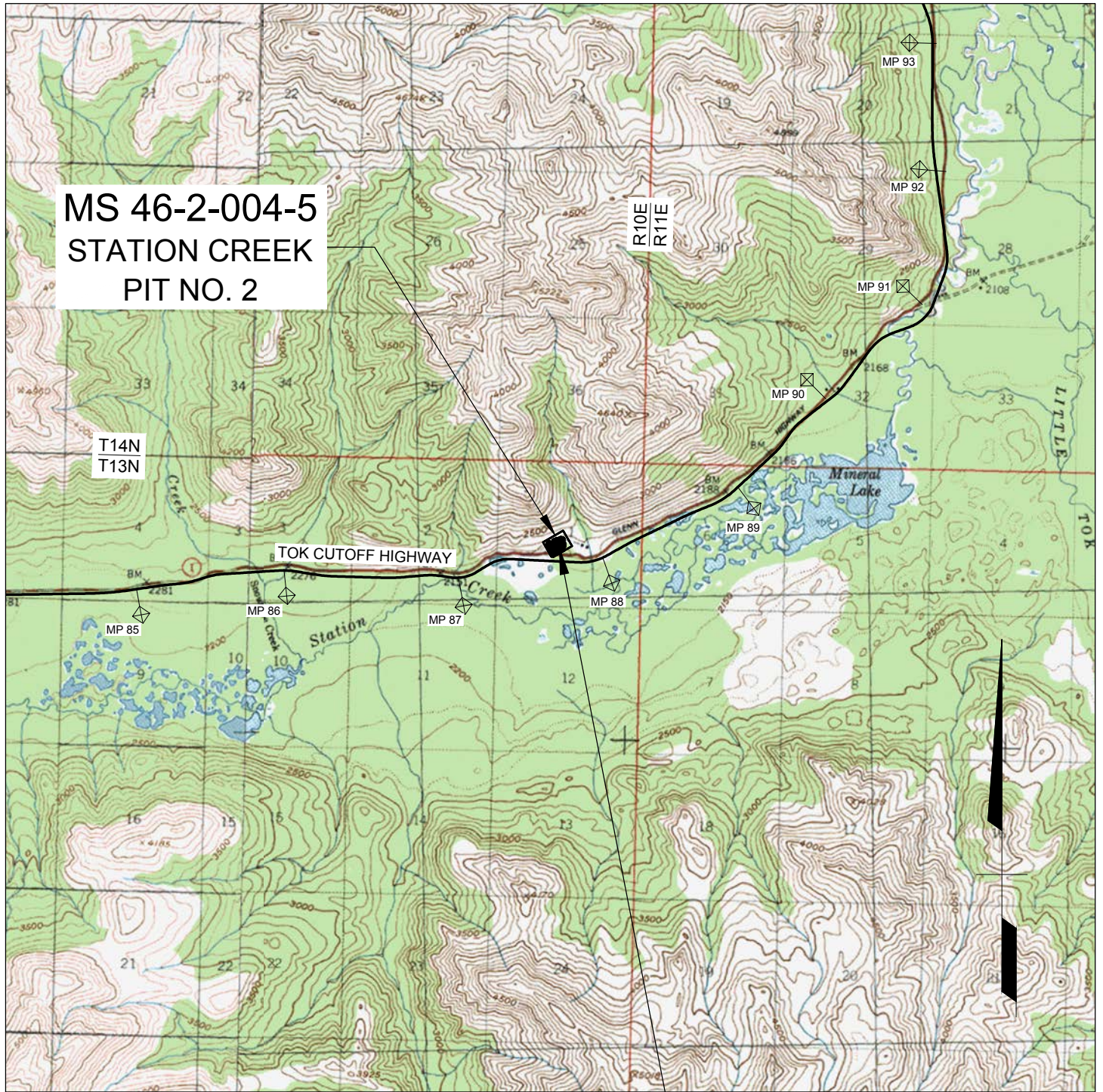
ACTIVE – OPEN

According to information found in the DOT&PF EDMS system in January 2009 and BLM master title plats and case abstracts, this site lies on private land owned by Ahtna, Inc. and Mentasta Incorporated. An indefinite right-of-way grant (F-29821) was issued to DOT&PF by BLM in 1962 for this site in Section 1, T13N, R10E, CRM. The case includes MS 46-2-005-5 in Section 4. The site was originally designated Borrow Pit No. 4 and B. P. 1.

The site was interim conveyed to Ahtna, Inc. (IC 227/2202-subsurface estate) and Ahtna acting as successor of interest to Mentasta Incorporated (IC 226/2201-surface estate) in 1979. The interim conveyances were subject to the material site right-of-way. Administration of the site was waived to Ahtna, Inc. in 1986.

The site lies north of the Tok Cutoff Highway right-of-way and there is an existing access road into the site. An open site, MS 46-2-023-5, lies between the site and the Tok Cutoff Highway. The site appears to contain significant quantities of sand and gravel and should be retained by DOT&PF for future use.

LOCATION MAP



**MS 46-2-004-5
STATION CREEK
PIT NO. 2**

T14N
T13N

TOK CUTOFF HIGHWAY

Station Creek

Mineral Lake

GPS COORDINATES FROM GOOGLE EARTH

UTM (WGS84-METERS)
ZONE 7: N 6,980,742 E 376,459
AK STATE PLANE (NAD83-US SURVEY FT)
ZONE 2: N 3,267,688 E 1,401,518

U.S.G.S. QUADRANGLE: NABESNIA (D-6) & (D-5)

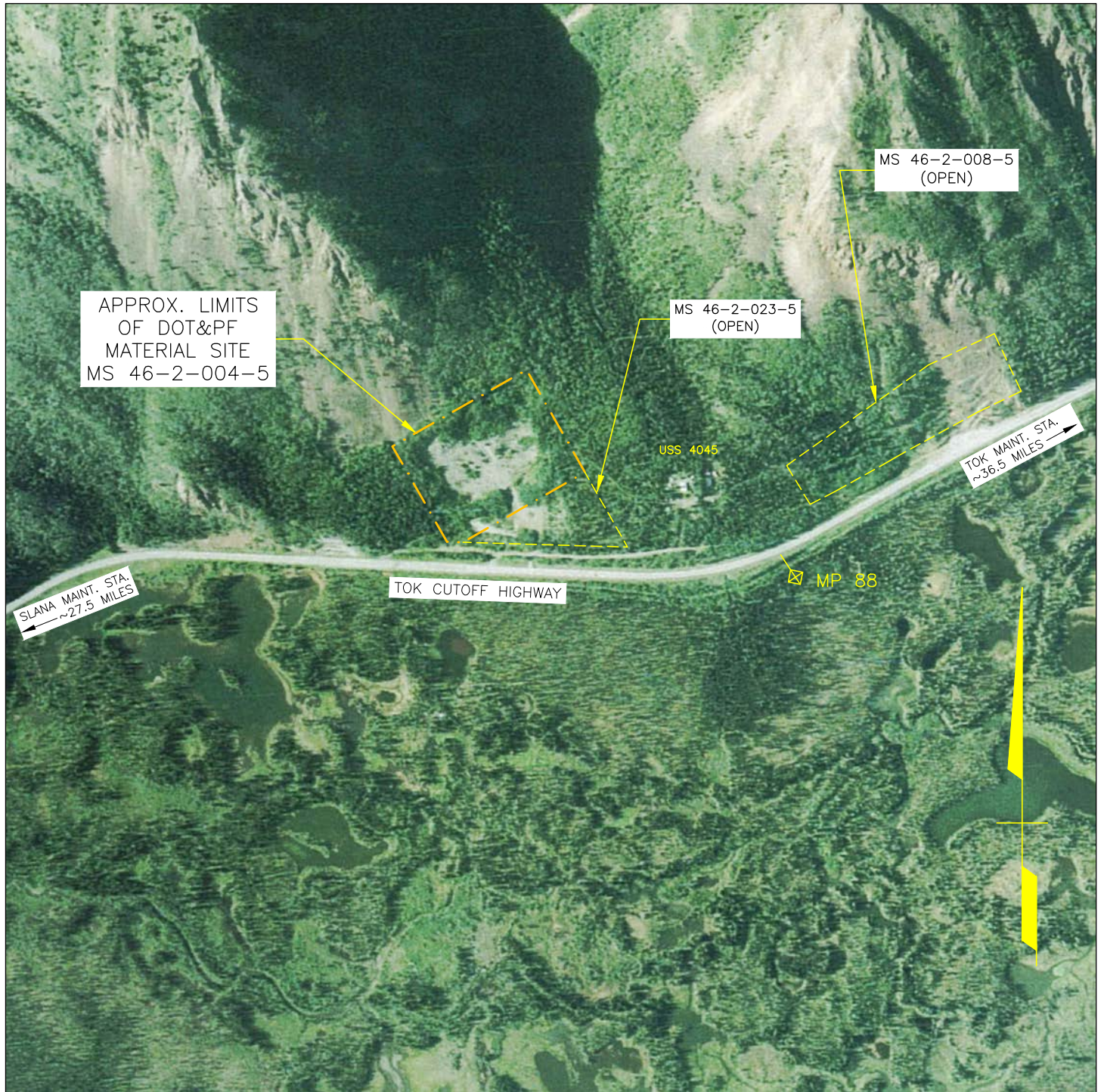
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GRAPHIC SCALE IN MILES

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
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MS 46-2-004-5			
SCALE AS SHOWN	DESIGNED CHECKED K.G.T C.H.R.	DRAWN DATE K.G.T FEB. 2014	PAGE 2

SITE MAP



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	CHECKED	DATE	
	C.H.R.	FEB. 2014	

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Plotted 7/15/2015 9:59 AM by Pete Hardcastle

SITE MAP



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IF AN ANSWER IS UNKNOWN SELECT "UNKNOWN" OR LEAVE BLANK**

1. **MS_ID** 46-2-004-5
Enter the full material site number e.g.. 31-3-045-2
2. **DATE_INSPECT** 7/17/2014
Date of field inspection
3. **FLD_INSPEC_ORG** KYLE THERRIEN / R&M CONSULTANTS
Name of inspector / Organization or Company

4. **REGION** NORTHERN
5. **LOCATION** TOK CUTOFF HIGHWAY
Name of Highway Enter Name of Facility or Secondary Route Name
(i.e.Kotzebue Airport, Nash Road, etc.)

6. **MILEPOST** 87.5
List the closest main highway milepost

7. **NAME** Station Creek Pit No. 2
Enter commonly used name (s), e.g. Hess pit, Gobblers Knob, Midway. List all that apply separated by commas.

8. **MAINT_DIST/STAT** District TAZLINA Station SLANA
Highway Maintenance District and Station, for locations not on highways select other.

9. **QUAD** NEBESNA D-5
U.S.G.S. Quad. Map

10. **TOWNSHIP/RANGE** T#S R#E T13N R10E & Meridian CRM
Section 1

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>11. COOR_UTM</p> <p style="text-align:center">ZONE <u>7</u></p> <p>NORTHING <u>6,980,742</u></p> <p>EASTING <u>376,459</u></p> <p style="text-align:center">UTM WGS84 - Meters</p> | <p>12. COOR_STATE_PLANE</p> <p style="text-align:center">ZONE <u>2</u></p> <p>NORTHING <u>3,267,688</u></p> <p>EASTING <u>1,401,518</u></p> <p style="text-align:center">Alaska State Plane NAD83 - Survey Feet</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

13. **BOROUGH/CITY** UNORGANIZED **TAX ID NO.** NA

14. **DNR_LAND_USE_PLAN** EASTERN TANANA BASIN AREA PLAN

15. **CATEGORY** (To be filled in the office)

- 15a. **CLASSIFICATION** ACTIVE

- 15b. **STATUS** OPEN

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

16. **POTENTIAL_STATUS** SIGNIFICANT

Estimated quantity of material in the site at the time of inspection.

NONE	There appeared to be no useable material in the site.
LIMITED	There appeared to be less than 25,000 c.y. available within the developed site.
SIGNIFICANT	There appeared to be greater than 25,000 c.y. available within the developed site.
EXPANDABLE	There was limited material within the developed site, but there appeared to be significant material outside existing site limits.
UNDEVELOPED	The pit has not been mined/explored (used only for proposed sites).
CLOSED	There may be useable material left in the pit but it is not available.
UNKNOWN	
OTHER	The site does not fit any of the categories above. Explain in Section 44, Notes.

17. **PRESENT_USERS**

17a. **PRESENT_USER_1** DOT&PF MAINTENANCE

17b. **PRESENT_USER_2** DOT&PF CONSTRUCTION

17c. **PRESENT_USER_3** _____

18. **PERMITTED_ACREAGE** 12.7

Area within site permit or R.O.W. boundaries, from permit application or property plat.

19. **DEVELOPED_ACREAGE** 7

Area within an existing pit, excluding spoil berms lying outside the pit, access roads etc. Explain below.

Includes the developed area within site limits.

20. **ACREAGE_COMP_METHOD** FROM MAP/PHOTO

Method used to determine developed acreage.

21. **EST_QUAN_AVAIL** 110,000 ROUGH ESTIMATE

Estimated quantity available (b.c.y.), may be based on acreage computed above plus expansion area.

Explain computation assumptions and calculations below.

Area	<u>Existing Pit</u>	<u>Undeveloped Area</u>	_____
Acres	<u>7.7</u>	<u>2.7</u>	_____
Est. Depth (ft.)	<u>8</u>	<u>18</u>	_____
Factor (b.c.y. / acre-foot)	<u>1,000</u>	<u>1000</u>	_____
Est. Quant. (c.y.)	<u>62,000</u>	<u>49,000</u>	_____

The estimate assumes that there is still material remaining in the pit so an average working depth of 8 feet with no overburden was used. For the undeveloped area an estimated working depth of 20 feet with two feet of overburden was used. Spoil berms may have to be moved and a 50 ft. buffer is provided for around the portion of the sides facing private property. There is no subsurface information for this site and these estimates should be verified prior to future excavation.

**STATEWIDE MATERIAL SITE INVENTORY
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22. **ACCESS_TYPE** EXISTING ROAD / OPEN

NONE	No access road has been built.
EXISTING ROAD / OPEN	Drivable. May have gate.
EXISTING ROAD / REVEG	Can be reopened with little effort.
EXISTING ROAD / CLOSED W/BERMS	Can be reopened with little effort.
EXISTING ACCESS / REMOVED	Can be reopened with much effort.
SNOW ROAD	Can only be accessed during winter.
ICE ROAD	Requires crossing river or lake ice in the winter.
BARGE	Material can only be moved by barge.
OTHER	The site does not fit any of the categories above. Describe in Section 44, Notes.

23. **ACCESS_LENGTH** 400
Approx. length from edge of pit to highway/secondary route (ft.)

24. **VEGETATION**

During the July, 2014 investigation vegetation surrounding the pit consisted of mature spruce and birch 4 to 18 inches in diameter on 5 to 20 foot centers with heights up to 80 feet. The understory consisted of medium bushes with a groundcover of moss and peat. Vegetation within the pit consisted of a regrowth of alders and cottonwood.

25. **TYPE_1** BORROW PIT 26. **TYPE_2** _____

Dominant type	Subordinate type
General Types of Materials Available	Enter data in Type_2 only if two types of material site available
QUARRY	Bedrock sources requiring blasting
BORROW PIT	Soils or soft bedrock (rippable), above water table
BAILING	Requires production below the water table
RIVER BAR	Sand/gravel bars in active channels

27. **OB_CLASS_1** <3 FT. 28. **OB_CLASS_2** <3 FT.

New Site or expansion Area	Existing Pit (Spoil)
A site may have both. Data should be based on actual subsurface exploration, otherwise unknown.	
Estimated average depth over the area.	
NONE	3 TO 6 FT.
<3 FT.	>6 FT.
	UNKNOWN
	OTHER

29. **OB_TYPE_1** SILT 30. **OB_TYPE_2** SPOIL

New Site or expansion Area	Existing Pit (Spoil)
A site may have both.	
SILT	PEAT
COLLUVIUM	SPOIL
	SOLID WASTE
	UNKNOWN
	OTHER

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

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

33. PERMAFROST_1	_____
New Site or Expansion Area	
34. PERMAFROST_2	UNKNOWN
Existing Site	
DETECTED IN MOST TEST HOLES	
DETECTED IN SOME TEST HOLES	
DETECTED IN IMMEDIATE VICINITY	
DETECTED IN NO TEST HOLES	
DATA OUTDATED	
UNKNOWN	
OTHER	

35. GROUNDWATER

During the July, 2014 inspection there was no water observed within the material site. The depth to groundwater underlying the pit is unknown.

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

36. LITHOLOGY_1 Dominant type	<u>COLLUVIAL</u>	37. LITHOLOGY_2 Subordinate type
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GNEISS		Includes hard schistose rocks
MARBLE		
CATACLASTIC		Incl. Valdez Formation Rocks, Kenai Penn.
MÉLANGE		Incl. McHugh Formation Rocks, Kenai Penn.
SEDIMENTARY ROCK		Undifferentiated Sedimentary Rocks
CONGLOMERATE		
SANDSTONE		Includes greywacke, etc.
SHALE/MUDSTONE		
LIMESTONE		
FLUVIAL		River and stream deposits (floodplain), includes outwash.
ALLUVIAL		Alluvial / Debris Fan deposits
GLACIOFLUVIAL		Eskers, kames, etc.
GLACIAL		Till
COLLUVIAL		Talus, etc.
EOLIAN		Sand Dunes, etc.
SILT		Loess, fluvial silts, etc.
OTHER		Explain in Section 44.

38. MATERIAL CLASSIFICATION

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

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

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

39. COBBLES_AND_BOULDERS

Test Boring Callout / ASTM Classification, either a. or b. and c. not both (Can use ranges i.e. 0 to 20)

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

40. AGG_TEST_RESULTS

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

40a. SG APP COARSE	_____
40b. SG APP FINE	_____
40c. ABSORPTION CRSE	_____
40d. ABSORPTION FINE	_____
40e. NORDIC ABRASION	_____
40f. L.A. ABRASION	_____
40g. DEGRADATION (T-13)	_____
40h. NASO4 LOSS COARSE	_____
40i. NASO4 LOSS FINE	_____

41. POTENTIAL_USABILITY TYPES A AND B MATERIAL AVAILABLE

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

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

42. SPECIAL_PROBLEMS

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

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

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

43. RIPRAP

NOT POSSIBLE

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

PREVIOUS PRODUCTION

There is a record of production.

POSSIBLE FURTHER INVESTIGATION NEEDED

The site is a bedrock quarry containing hard rock

NOT POSSIBLE

The site has soft rock or soil.

UNKNOWN

OTHER

Explain in Section 44, Notes.

44. NOTES

Note number of item being discussed.

AIRBANKS

Serial No. 63-4477

Serial number below

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Fairbanks Land Office
516 Second Avenue
Fairbanks, Alaska

Date: JUN 21 1962

State of Alaska
Department of Highways
Box 1841
Juneau, Alaska

DECISION

RIGHT-OF-WAY GRANTED

Details of Grant

Serial number of grant Fairbanks 029821

Name of grantee State of Alaska, Department of Highways

Map showing the location
and dimensions of grant:

Map designations State of Alaska, Right-of-Way Map
Project F-046-2(4), Dated April 23, 1962
BP 1 + BP 2

Date filed May 24, 1962

Permitted use by grantee Material Pit

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

Code reference 43 CFR 244.54.

Circular number 1915

462-004-5 F
462-005-5

Date of grant June 15, 1962

Expiration date of grant

Rental: None

Amount

When payable by grantee

1

File	A	Init.
1	A. BACA	W.T.
	Asst.	
2	Adm. Asst.	W.C.
	Rev. Appr.	
	N.S.	
3		
4	Pit	A.B.
2		
3	File	

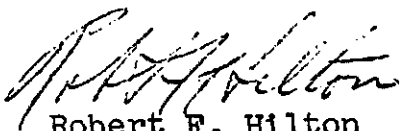
V84 - 85

TAK

Terms and Conditions of Grant

Pursuant to the authority vested in the undersigned by Order No. 684 of the Director, Bureau of Land Management, dated August 28, 1961 (26 F.R. 8216), as amended, a right-of-way, the details of which are shown above, is hereby granted for the public lands involved 1/, subject to the following terms and conditions:

1. All valid rights existing on the date of the grant.
2. All regulations in the circulars specified herein.
3. Filing of proof of construction within 5 years from date of the grant.
4. Other:



Robert F. Hilton
Chief, Lands Section

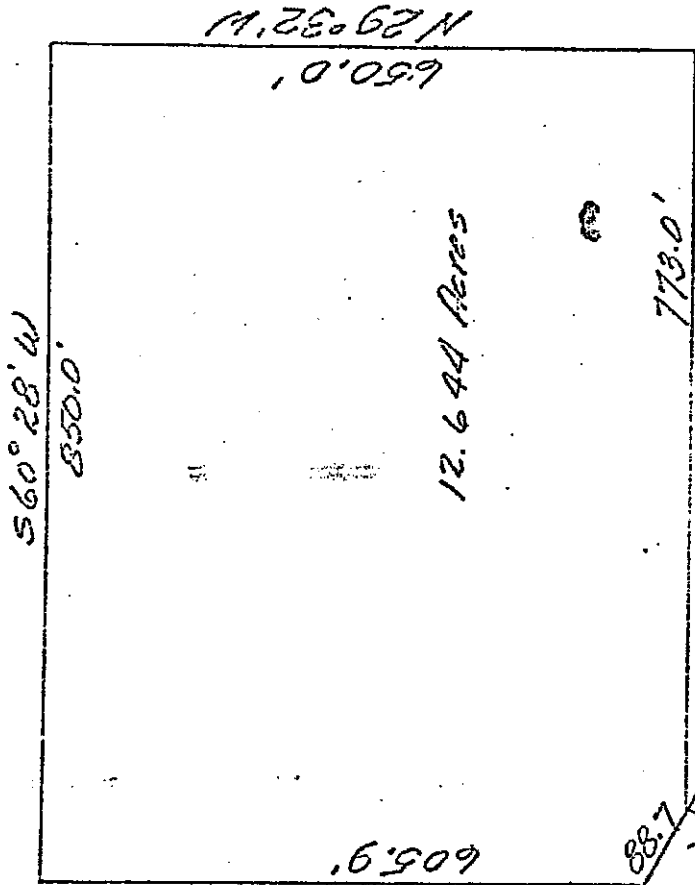
cc:
Director with Map
Case
Reading

FLO 201
Rev. April 1962
(V BLM 3.8)

1/ For the purpose of this grant, public domain lands include those reserved or withdrawn for specific purposes, entered, selected, occupied and/or settled, and leased.

2

RECORDED FILED
 FAIRBANKS RECORDING DISTRICT
 Date JUL 6 1962 Time 11:37 A.
 Requested by State of Alaska, Dept. of Hwy.
 Right-of-Way Sec. 320 III.
 Address Fairbanks, Alaska



Valdez Parcel No. V-84

Material Source No. A62-004-5

BLM Serial No. FBX. 029821

Project F046-E(A)

Recorded FBX Recording Dist

Book 142 Page 1A8

FBX Serial No 62.477

12.1551±9.17M
M.P. 879

granted 6-21-62 No Expired Date

LEGAL REFERENCE AND KIND OF TRANSACTION
 Right-of-Way (Act of August 27, 1958) F-04-2(4)
 NAME AND MAILING ADDRESS

File Code
17.0
Serial Number
Fbr. 029877

State of Alaska
 Dept. of Public Works
 P.O. Box 1361, Juneau, Alaska

APR 1962
105-5
034-5

DESCRIPTION OF LAND

D.P.-1 A certain tract or parcel of land lying and being situate in the Fourth Judicial District State of Alaska, being more particularly bounded and described as follows, to-wit:
 Beginning at a point on the right right of way line, Alaska Highway Project No. F-0-6-2(4), said point bearing N. 0°16' E. a distance of 150.0 feet from "L2" centerline Station 1551+01.74; thence N. 60°28' E. a distance of 773.0 feet; thence N. 29°32' W. a distance of 650.0 feet; thence S. 60°28' W. a distance of 150.0 feet; thence S. 29°32' E. a distance of 605.9 feet to a point on the right right of way line of said project; thence S. 89°44' E. along the right right of way line a distance of 88.7 feet to the point and place of beginning.
 Containing 12.644 acres, more or less

(Cont'd)

DATE	ACTION TAKEN
5-24-1962	Application Filed
6-21-1962	<i>Decision - "Right of Way Granted Effective June 15, 1962."</i>
FEB 11 1963	Shown in the Public Records for Township 13N... Range: 10E... <i>Copper River Mill</i>

107-141
Fairbanks Recording District
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Fairbanks Land Office
P.O. Box 1150
Fairbanks, Alaska

Serial number below

FAIRBANKS
Serial No. 63-7286

Date: **OCT 15 1963**

DECISION

AMENDED RIGHT-OF-WAY GRANTED

Details of Grant

Serial number of grant **Fairbanks 031377**

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

Map showing the location
and dimensions of grant:

Map designations **Departmental Map, Project F-046-2(4),
Little Tok River S.W. to Bartell Creek
Parcel V-172**

Date filed **June 26, 1963**

Permitted use by grantee **Stockpile Site**

Authority for grant **Federal Aid Highway Act of November 9, 1921**

Regulations applicable to grant: **43 CFR, Part 244, See parts A and G**

Code reference **(23 U.S.C. 317) as amended**

Circular number **1915, 2001, 2004, 2012, 2084**

Date of grant **July 24, 1963**

Expiration date of grant **None**

Rental:

Amount **None**

~~XXXXXXXXXXXXXXXXXXXX~~

1

*Sand patented at Helena 1/22/82
This M.S. reserved for Hwy purposes only!
Jh*

M.S. 462-023-5

Terms and Conditions of Grant Recording District

Pursuant to the authority vested in the undersigned by Order No. 684 of the Director, Bureau of Land Management, dated August 28, 1961 (26 F.R. 8216), as amended, a right-of-way, the details of which are shown above, is hereby granted for the public lands involved 1/, subject to the following terms and conditions:

1. All valid rights existing on the date of the grant.
2. All regulations in the circulars specified herein.
3. Filing of proof of construction within 7 years from date of the grant.
4. Other: **None**

RECEIVED

RECORDED FILED
 FAIRBANKS RECORDING DISTRICT
 Date OCT 22 1963 Time 11:15 A.M.
 Registered by State of Alaska
 Address Dept. of Highways
P. O. Box 7
Valdez, Alaska

OCT 17 1963

Division of Highways
Valdez, Alaska

Robert F. Hilton
Robert F. Hilton
 Chief, Lands Section

cc:
 Director ~~with name~~
 State of Alaska
 Department of Highways
 Box 1841
 Juneau, Alaska

1/ For the purpose of this grant, public domain lands include those reserved or withdrawn for specific purposes, entered, selected, occupied and/or settled, and leased.

RECEIVED

FLO 201
March 1963

OCT 17 1963

Division of Highways
Valdez, Alaska

Fairbanks Recording District
UNITED STATES

Serial number below

DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

Fairbanks Land Office

P.O. Box 1150

Fairbanks, Alaska 99701

FAIRBANKS

Serial No. 63-4772

Date: JUL 24 1963

DECISION

RIGHT-OF-WAY GRANTED

Details of Grant

Serial-number of grant	Fairbanks 031377
Name of grantee	State of Alaska, Department of Highways, Box 1841 Juneau, Alaska
Map showing the location and dimensions of grant:	
Map designations	Departmental Map of Project F-046-2(4), Parcel No. V-172 Dated June 7, 1963
Date filed	June 26, 1963
Permitted use by grantee	Material Site
Authority for grant	Federal Aid Highway Act of November 9, 1921
Regulations applicable to grant:	(23 U.S.C. 317) as amended
Code reference	43 CFR 244.54 through 244.56
Circular number	1915 and 2084
Date of grant	JUL 24 1963
Expiration date of grant	None
Rental:	
Amount	None
When payable by grantee	

462-023-5

RECORDED FILED

FAIRBANKS RECORDING DISTRICT

Date JUL 29 1963 Time 2:00 P.M.

Requested by State Dept of Highways

Address Box 7

Valdez, Alaska

~~63-462-023-5~~

Terms and Conditions of Grant

Pursuant to the authority vested in the undersigned by Order No. 684 of the Director, Bureau of Land Management, dated August 28, 1961 (26 F.R. 8216), as amended, a right-of-way, the details of which are shown above, is hereby granted for the public lands involved 1/, subject to the following terms and conditions:

1. All valid rights existing on the date of the grant.
2. All regulations in the circulars specified herein.
3. Filing of proof of construction within 7 years from date of the grant.
4. Other: **Subject to attached Material Site Stipulations which are made a part hereof by reference.**

Robert F. Hilton
Robert F. Hilton
Chief, Lands Section

cc:
Director with map
State of Alaska
Department of Highways
Box 1841
Juneau, Alaska

1/ For the purpose of this grant, public domain lands include those reserved or withdrawn for specific purposes, entered, selected, occupied and/or settled, and leased.

RECEIVED

JUL 25 1963

Division of Highways
Valdez, Alaska

2

ELO 201
RECEIVED
JUL 25 1963

JUL 25 1963

Division of Highways
Juneau, Alaska

Serial No. **F-031377**

ALASKA Project:
Description: **F-046-2(4) Little
TOK RIVER S.W. to
Bartell Creek - Parcel No. V-172**

MATERIAL SITE STIPULATIONS

The Grantee, by accepting this material site under the Federal Highway Act, agrees and consents to comply with all of the provisions under 43 CFR, Part 244.9, and to the following terms and conditions, unless specifically authorized in writing:

1. All of the provisions of this material site protecting the government or third parties shall remain in effect until revocation or termination by the authorized officer.
2. The Grantee shall promptly notify the Bureau of Land Management when the material site is no longer needed.
3. The responsibility of identifying the boundaries of the material site and the protection of the survey monuments shall be the duty of the Grantee.
4. The Grantee shall post the number of this material site on the land and in such a fashion that it may be readily seen by the general public. Such posting will serve as notice that the land is under authorized use.
5. The Grantee shall not cause damage or defacement of adjacent lands and shall save the government harmless of all liability and expense arising from, or consequential to, such damage. The Grantee shall contact the officer in charge immediately after such damage.
6. All borrow pits and clearings must be screened from the highway by leaving an untouched strip of vegetative cover 100 feet wide between the edge of the clearing and the nearest edge of the road right-of-way. Necessary access roads are authorized through the above reserve strip.
7. All brush and timber, standing or down, necessarily removed to expose materials must be buried or burned.
8. The Grantee shall take adequate measures for the prevention and suppression of fire on the material site area and adjacent land, as prescribed by the authorized officer.
9. Before revocation or termination of this material site, the area must be graded to blend with the existing landscape so that the pit will not present an unsightly appearance.
10. The Grantee shall submit to the Bureau of Land Management the kind, quantity, and uses made of the materials extracted during each fiscal year.

RECEIVED
BUREAU OF
LAND MANAGEMENT

1963 JUN 26 AM 11:37

LAND OFFICE
FAIRBANKS, ALASKA

ENGINEER'S STATEMENT

John C. Becker states that he is by occupation a civil engineer employed by Alaska Dept. of Highways to supervise the survey of Highway Project No. F-046-2(4) as shown on this map; that the survey of said project was made under his supervision and under authority; that this parcel was surveyed during the survey of this Highway project, which was conducted in 1962; and that such survey is accurately represented upon this plat.

John C. Becker, P.E. Engineer

APPLICANT'S CERTIFICATE

This is to certify that John C. Becker who subscribed the statement hereon is a person employed by the undersigned applicant to supervise the preparation of this map, which has been adopted by the applicant as the approximate final location of the project thereby shown; and that this map is filed as a part of the complete application, and in order that the applicant may obtain the benefits of the Act of August 27, 1948 (72 Stat. 885, 23 U.S.C. 317); and I further certify that the Right of Way herein described is desired for Alaska Highway Project No. F-046-2(4).

Commissioner, Alaska Dept. of Highways

Attest: [Signature]

STATE OF ALASKA
DEPARTMENT OF HIGHWAYS

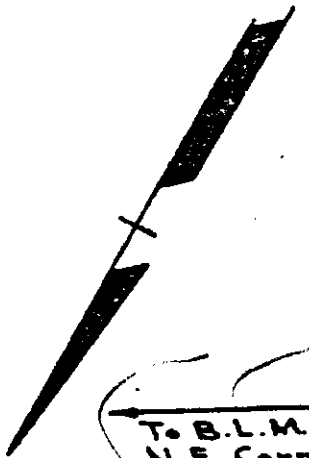
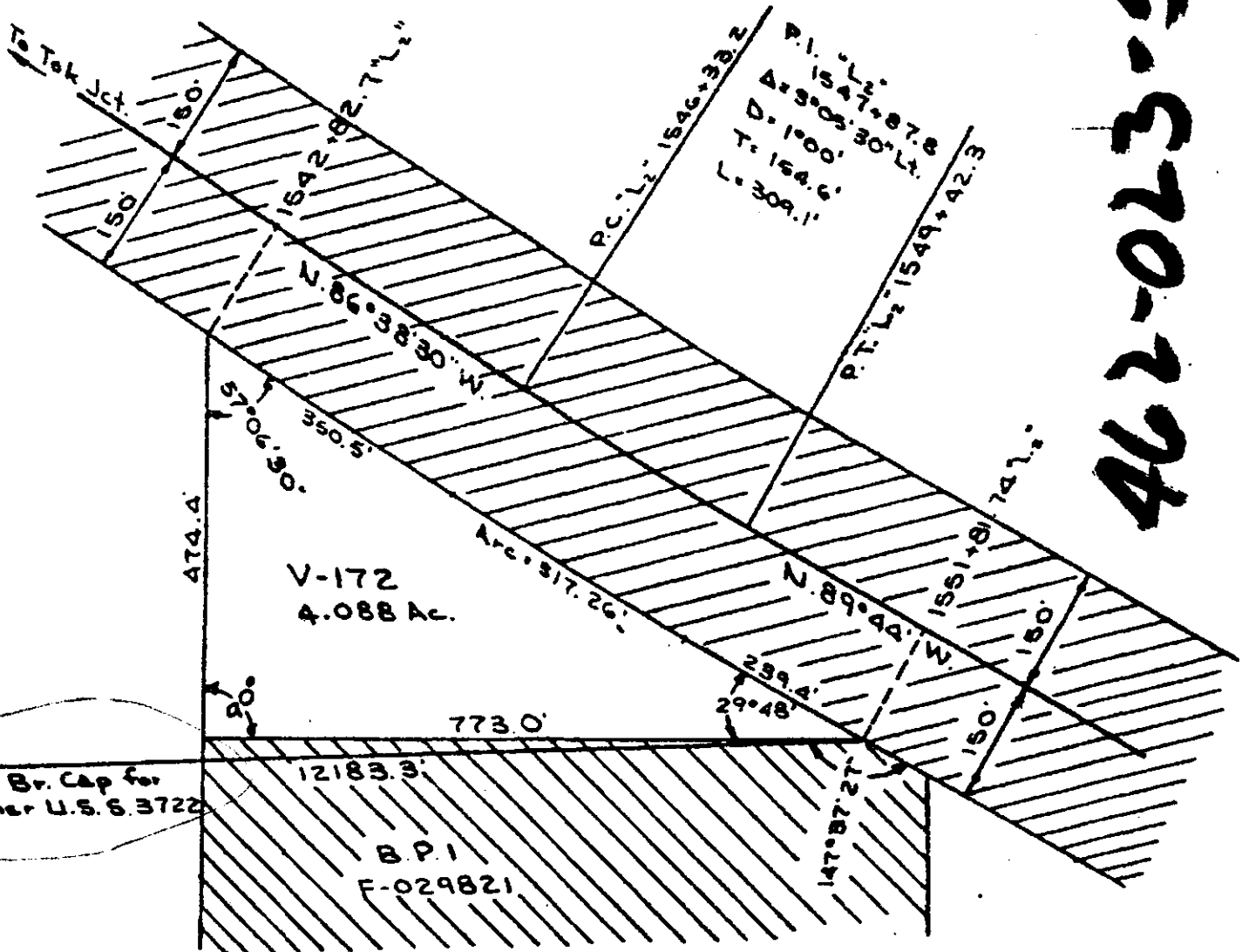
MAP
SHOWING Stockpile Site REQUIRED FOR

PROJECT NO. F-046-2(4) Valdez DISTRICT
PARCEL NO. V-172 DATE 6-7-63

May dec = 30
031377

Scaled from
Map D-5
See 3rd page

462-023-5



SCALE 200' DRAWN BY K.D.R.

M.S. 462-048-5

462-036-50
~~Approved by Sat Gr~~
~~Location 22~~
~~0002~~

4-914
 (August 1958)

LEGAL REFERENCE AND KIND OF TRANSACTION		File Code	Serial Number
Right of Way		17.0	F-031377
NAME AND MAILING ADDRESS			
State of Alaska Department of Highways Box 1841 Juneau, Alaska			
DESCRIPTION OF LAND			
Beginning at a point on the northerly right of way line, 150.0 feet to the right of and opposite centerline Station "L ₂ " 1551+81.74 of Alaska Project F-046-2(4), said point bearing S. 57° 53' 27" W. a distance of 12,183.3 feet from B.L.M. Brass Cap for the northeast corner of U.S. Survey 3722; thence N. 60° 28' E. a distance of 773.0 feet; thence S. 29° 32' E. a distance of 474.4 feet to a point on the northerly right of way line, 150.0 feet to the right of and opposite centerline Station "L ₂ " 1542+82.7 of said project; thence N. 86° 38' 30" W. along said right of way line a distance of 350.5 feet to a point 150.0 feet to the right of and opposite centerline Station 1546+33.2 point of curve; thence westerly along a 0° 58' 28" left (radius = 5880.0 feet) through an arc of 3° 05' 30" a distance of 317.26 feet to a point 150.0 feet to the right of and opposite centerline Station 1539+42.3 point of tangent of said project; thence N. 89° 44' W. a distance of 239.4 feet to the point and place of beginning. Containing 4.088 acres, more or less.			
DATE	ACTION TAKEN		
6/26/1963	Application Filed. bds		
JUL 2 1963	GRANTED Shown in the New Records for Township: 13 N Range: 10 E C.R. File Mer		
OCT 15 1963	Amended GRANTED		

Adj. to
 -004-