STATE OF ALASKA ITB NUMBER 2519N022

AMENDMENT NUMBER 1

Department of Transportation &
Public Facilities
2301 Peger Road
Fairbanks, AK 99709

THIS IS NOT AN ORDER **DATE AMENDMENT ISSUED: March 1, 2019**

ITB TITLE: Crushed Aggregate, D-1 Modified, Tazlina Area, Federally Funded

ITB OPENING DATE AND TIME: March 13, 2019

This amendment is for informational purposes only and need not be returned to the State.

1. **Remove Attachment D – MS 42-3-014-5_Inspection Report and replace with the attached document titled Attachment D – Revised per Amendment 1.**

No other changes are being made at this time.

Eric Johnson
Procurement Officer
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TDD: (907) 451-2363
FAX: (907) 451-2313

FOR STATE USE ONLY - THIS AMENDMENT COVERS PR#

STATEWIDE MATERIAL SITE INVENTORY

MATERIAL SITE INSPECTION REPORT

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

EDGERTON HIGHWAY

MS 850-036-5
Kenny Lake School Pit

August 6, 2015

CONTENTS PAGE

CATEGORY:

ACTIVE – OPEN

According to information found in the DOT&PF EDMS system in January 2009 and BLM and DNR case file abstracts, this site lies on State of Alaska lands managed by DNR.

In 1957, a FUP was issued to DOT&PF for a 2,000 by 2,500-foot site that stretched from the highway to the Tonsina River bluff (A-33991). It expired in 1962. BLM issued an indefinite right-of-way grant (A-57714) to DOT&PF for the site in 1962. The land was patented to the State of Alaska in 1975 (A-67897 / CG 79 / PA 50-76-0086). The patent was subject to A-57714 and the case for A-57714 is still open.

DNR issued an indefinite ILMT to DOT&PF in 1987 that was subject to 5 year reviews (ADL 81254). The site limits were substantially altered in the negotiations for the ILMT. The site was redrawn into five parts. The ILMT was closed in 2014. DOT&PF currently has a material sale contract (ADL 231674) from DNR that expires January 31, 2024.

There is a 50-foot wide public access easement for the Kenny Lake School Trail along the east boundary of the site (ADL 229196 / 308-2014-000073-0). It is only to be used for a public access foot and ski trail. The term is indefinite.

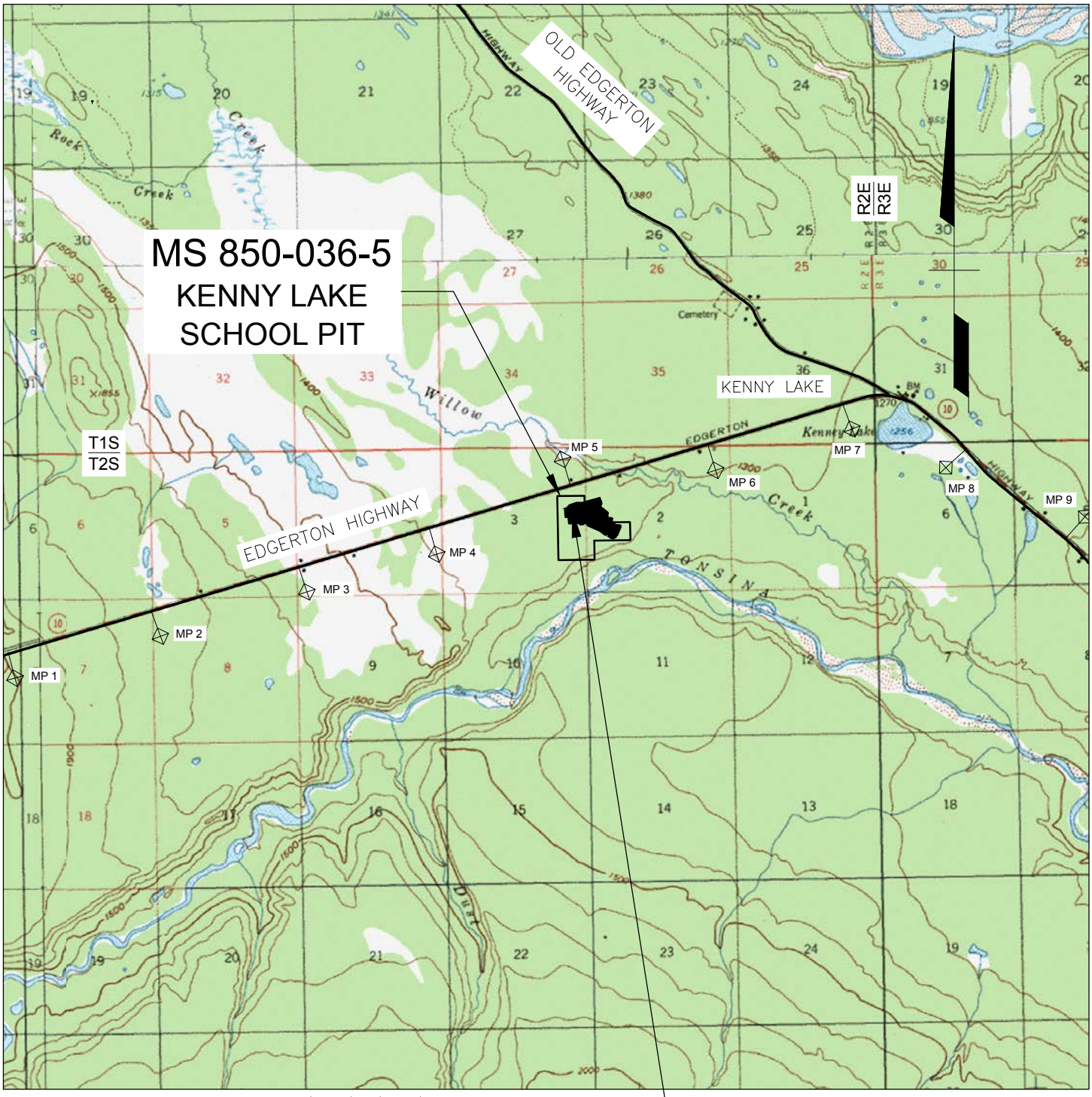
An agreement between the Copper River School District, DNR and DOT&PF shifted the boundaries of the original site to allow room for the Kenny Lake School. The land in the northern and eastern portion of the original site was ceded to the school. The agreement stated that when Part 1 was mined out it would be turned over to the school district. DOT&PF quit claimed its interest in Part 1 to the Copper River School District in 2001.

The site is currently a DMLW Northern Region Office (NRO) Designated Master Material Site (ADL 231478) under AS 38.05.550(b) for the use and operation for the long-term sale and extraction of materials until closed by DNR. It was on the November 29, 2012 list of sites selected for the DNR program.

The site adjoins the Tok Cutoff right-of-way and there are two access roads into the pit. The site appears to contain significant quantities of sand and gravel and should be retained by DOT&PF for future use.

Attachment D - Revised per Amendment 1 -

LOCATION MAP



U.S.G.S. QUADRANGLE: VALDEZ (C-3), (C-4), (D-3) & (D-4)

GPS COORDINATES FROM GOOGLE EARTH

UTM (WGS84-METERS)
ZONE 6: N6,845,078 E605,053
AK STATE PLANE (NAD83-US SURVEY FT)
ZONE 3: N2,823,504 E1,811,770

ACTIVE - OPEN

0 0.5 1 2 3

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 850-036-5

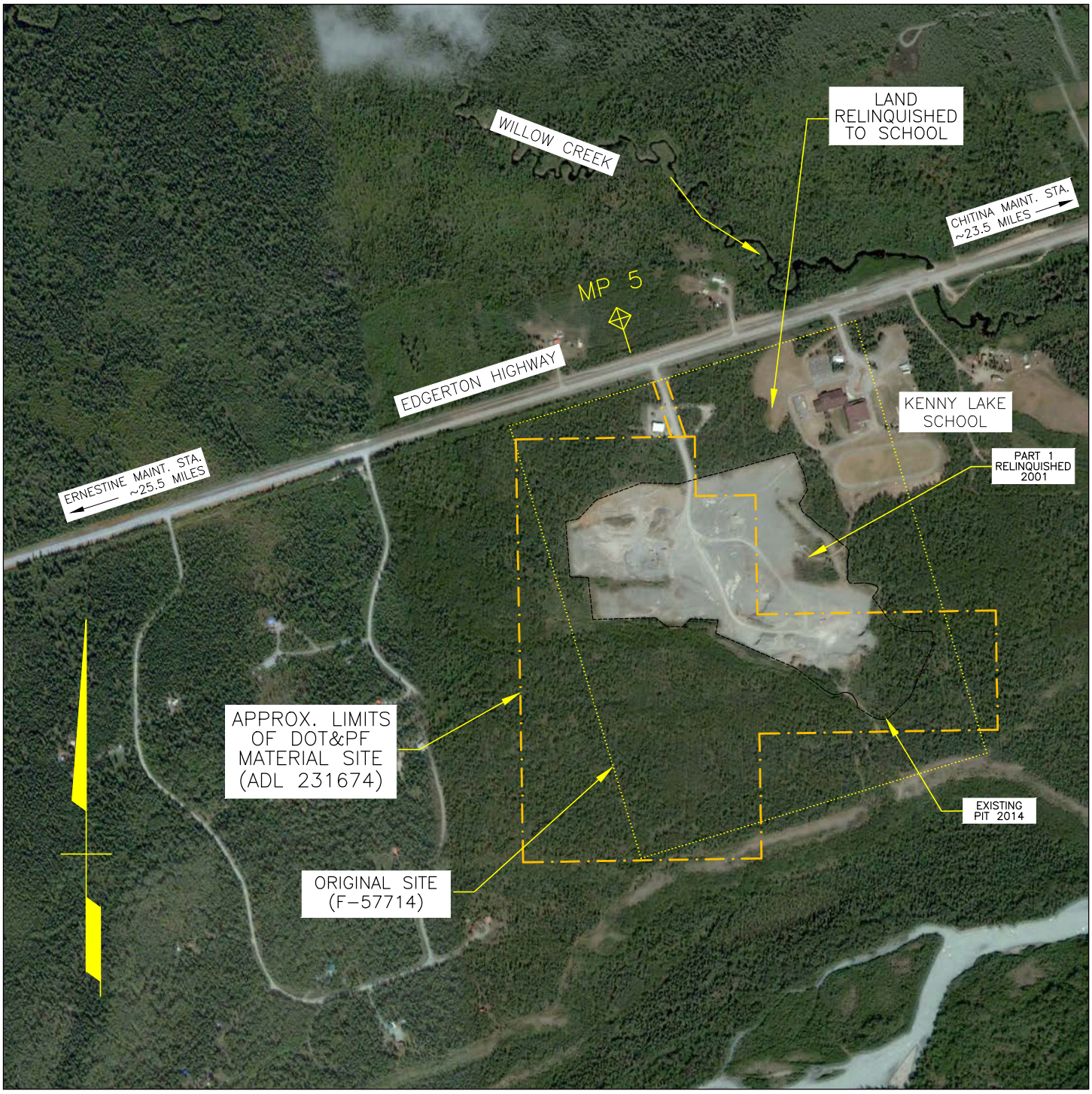
SCALE	DESIGNED	DRAWN		
AS SHOWN	T.G.H.	T.G.H.		
	CHECKED C.H.R.	DATE MAR. 2014	PAGE	2

Z:\project\1443.03\850_Edgerton_Highway_&_McCarthy_Road\MS 850-036-5-A\acad\MS_Topo_Map_850-036-5.dwg

Plotted 8/6/2015 9:33 AM by Pete Hardcastle

Attachment D - Revised per Amendment 1

SITE MAP



BASE MAP IS APRIL 9, 2013 DIGITALGLOBE SATELLITE IMAGERY.
THIS IS A PLANNING DOCUMENT ONLY. THE MATERIAL SITE BOUNDARIES SHOWN ON THIS DRAWING ARE APPROXIMATE. OWNERSHIP OF THE LANDS ADJACENT TO THIS SITE ARE UNKNOWN. THE ACCESS ROW SHOULD BE VERIFIED.

ACTIVE - OPEN

0 400 800 1600 2400

GRAPHIC SCALE IN FEET

BASE MAP FROM GOOGLE EARTH PRO 3/19/14

Prepared By:
R&M CONSULTANTS, INC.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

STATEWIDE MATERIAL SITE INVENTORY
MS 850-036-5

SCALE	DESIGNED	DRAWN	PAGE
AS SHOWN	T.G.H.	T.G.H.	3A
	CHECKED C.H.R.	DATE MAR. 2014	

Plotted 8/6/2015 10:54 AM by Pete Hardcastle
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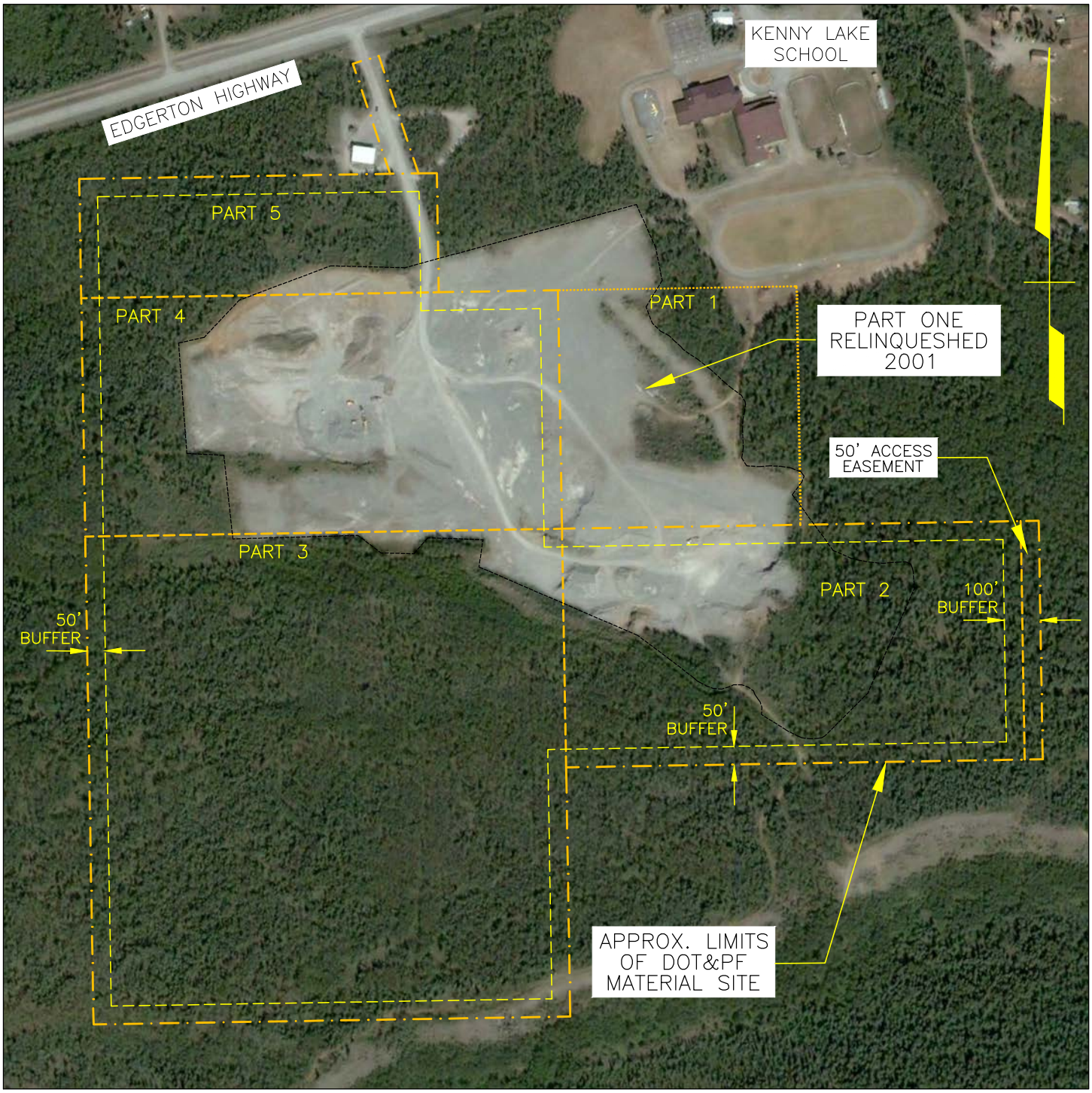
SITE MAP



BASE MAP IS APRIL 99, 2013 DIGITALGLOBE SATELLITE IMAGERY.
THIS IS A PLANNING DOCUMENT ONLY. THE MATERIAL SITE BOUNDARIES SHOWN ON THIS DRAWING ARE APPROXIMATE. OWNERSHIP OF THE LANDS ADJACENT TO THIS SITE ARE UNKNOWN. THE ACCESS ROW SHOULD BE VERIFIED.

ACTIVE - OPEN

0 200 400 800 1200

GRAPHIC SCALE IN FEET

BASE MAP FROM GOOGLE EARTH PRO 3/19/14

Prepared By:
R&M CONSULTANTS, INC.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

STATEWIDE MATERIAL SITE INVENTORY
MS 850-036-5

SCALE	DESIGNED	DRAWN	PAGE
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Plotted 8/6/2015 10:54 AM by Pete Hardcastle Z:\project\1443.03\850_Edgerton_Highway_&_McCarthy_Road\MS 850-036-5-A\acad\MS_Site_Map_850-036-5.dwg

Attachment D - Revised per Amendment 1 -

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** **850-036-5**
   Enter the full material site number e.g.. 31-3-045-2
2. **DATE_INSPECT** 8/13/2014
   Date of field inspection
3. **FLD INSPEC_ORG** TREVOR HUDSON / R&M CONSULTANTS
   Name of inspector / Organization or Company

4. **REGION** NORTHERN
5. **LOCATION** EDGERTON HIGHWAY
   Name of Highway
   Enter Name of Facility or Secondary Route Name (i.e. Kotzebue Airport, Nash Road, etc.)
6. **MILEPOST** 5
   List the closest main highway milepost
7. **NAME** Kenny Lake School Pit
   Enter commonly used name (s), e.g. Hess pit, Gobblers Knob, Midway. List all that apply separated by commas.
8. **MAINT_DIST/STAT** District TAZLINA Station CHITINA
   Highway Maintenance District and Station, for locations not on highways select other.
9. **QUAD** VALDEZ C-3
   U.S.G.S. Quad. Map
10. **TOWNSHIP/RANGE** T#S R#E T2S R2E & Meridian CRM
    Section 2 & 3
11. **COOR_UTM**
    ZONE 6
    NORTHING 6,845,078
    EASTING 605,053
    UTM WGS84 - **Meters**
12. **COOR_STATE_PLANE**
    ZONE 3
    NORTHING 2,823,504
    EASTING 1,811,770
    Alaska State Plane NAD83 - **Survey Feet**
13. **BOROUGH/CITY** UNORGANIZED **TAX ID NO.** NA
14. **DNR_LAND_USE_PLAN** COPPER RIVER 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** 89.0

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

19. **DEVELOPED_ACREAGE** 37.5

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

20. **ACREAGE_COMP_METHOD** FROM MAP/PHOTO

Method used to determine developed acreage.

21. **EST_QUAN_AVAIL** 740,000 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	Existing Pit	Part 2 & 3	Part 4 & 5
Acres	21.1	40.1	8.7
Est. Depth (ft.)	2.5	14	14
Factor (b.c.y. / acre-foot)	1,000	1,000	1,000
Est. Quant. (c.y.)	53,000	561,000	122,000

The estimate assumes that the existing pit has come close to bottoming out on silt and clay deposits and an average working depth of 2.5 feet was used with no overburden. For undeveloped parts of the pit an average working depth of 15 feet was used with 1 foot of overburden.

STATEWIDE MATERIAL SITE INVENTORY
MATERIAL SITE INSPECTION FORM

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** 300
Approx. length from edge of pit to highway/secondary route (ft.)

24. **VEGETATION**

Vegetation surrounding the pit consisted of mature black spruce and aspen trees. The spruce had diameters between 2 to 8 inches on 3 to 10-foot centers with heights up to 50 feet. The understory consisted of scattered alders and high bushes with a groundcover of moss and peat.

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.	UNKNOWN
<3 FT.	>6 FT.	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	SOLID WASTE	OTHER
COLLUVIUM	SPOIL	UNKNOWN	

STATEWIDE MATERIAL SITE INVENTORY
MATERIAL SITE INSPECTION FORM

31. **MAT_TYPE_1** FLUVIAL — Dominant type

32. **MAT_TYPE_2** — 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** DETECTED IN MOST TEST HOLES OR PITS
New Site or Expansion Area

34. **PERMAFROST_2** DATA OUTDATED
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 August 2014 inspection no evidence of water was observed. A water table with an unknown depth was reported in several of the test holes drilled in the bottom of the existing excavations. No water table was identified to the total depths of the test holes drilled in the undisturbed areas of the site. Surficial drainage is generally towards the south.

STATEWIDE MATERIAL SITE INVENTORY
MATERIAL SITE INSPECTION FORM

36. **LITHOLOGY_1** GLACIOFLUVIAL — Dominant type

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.	GP	38c.	GP-GM	38e.	SP	38g.	
38b.	GW	38d.	GW-GM	38f.	SP-SM	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.	10	(Est. From Visual Observations)
39c.	MAX. SIZE (in.)	12	(Observed Size)

40. **AGG_TEST_RESULTS**

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

40a. SG APP COARSE	1969- 1.5 / 1970- 2.80 / 1997- 2.81, 2.79
40b. SG APP FINE	1969- 4.1 / 1970- 2.79 / 1997- 2.75, 2.76
40c. ABSORPTION CRSE	
40d. ABSORPTION FINE	
40e. NORDIC ABRASION	
40f. L.A. ABRASION	1985- 15, 15, 14
40g. DEGRADATION (T-13)	1969- 84.6 / 1985- 54, 37 / 1997- 58
40h. NASO4 LOSS COARSE	1985- 0.63, 0.65, 0.61
40i. NASO4 LOSS FINE	1985- 2.25, 3.12, 2.64

41. **POTENTIAL_USABILITY** PAVING AGGREGATE PRODUCED

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

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

42. **SPECIAL_PROBLEMS**

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

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

STATEWIDE MATERIAL SITE INVENTORY
MATERIAL SITE INSPECTION FORM

43. **RIPRAP** NOT POSSIBLE

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

PREVIOUS PRODUCTION	There is a record of production.
POSSIBLE FURTHER INVESTIGATION NEEDED	The site is a bedrock quarry containing hard rock
NOT POSSIBLE	The site has soft rock or soil.
UNKNOWN	
OTHER	Explain in Section 44, Notes.

44. **NOTES**

Note number of item being discussed.

44. During the August 2014 inspection, the pit was being operated by HC Contractors for a local paving project.