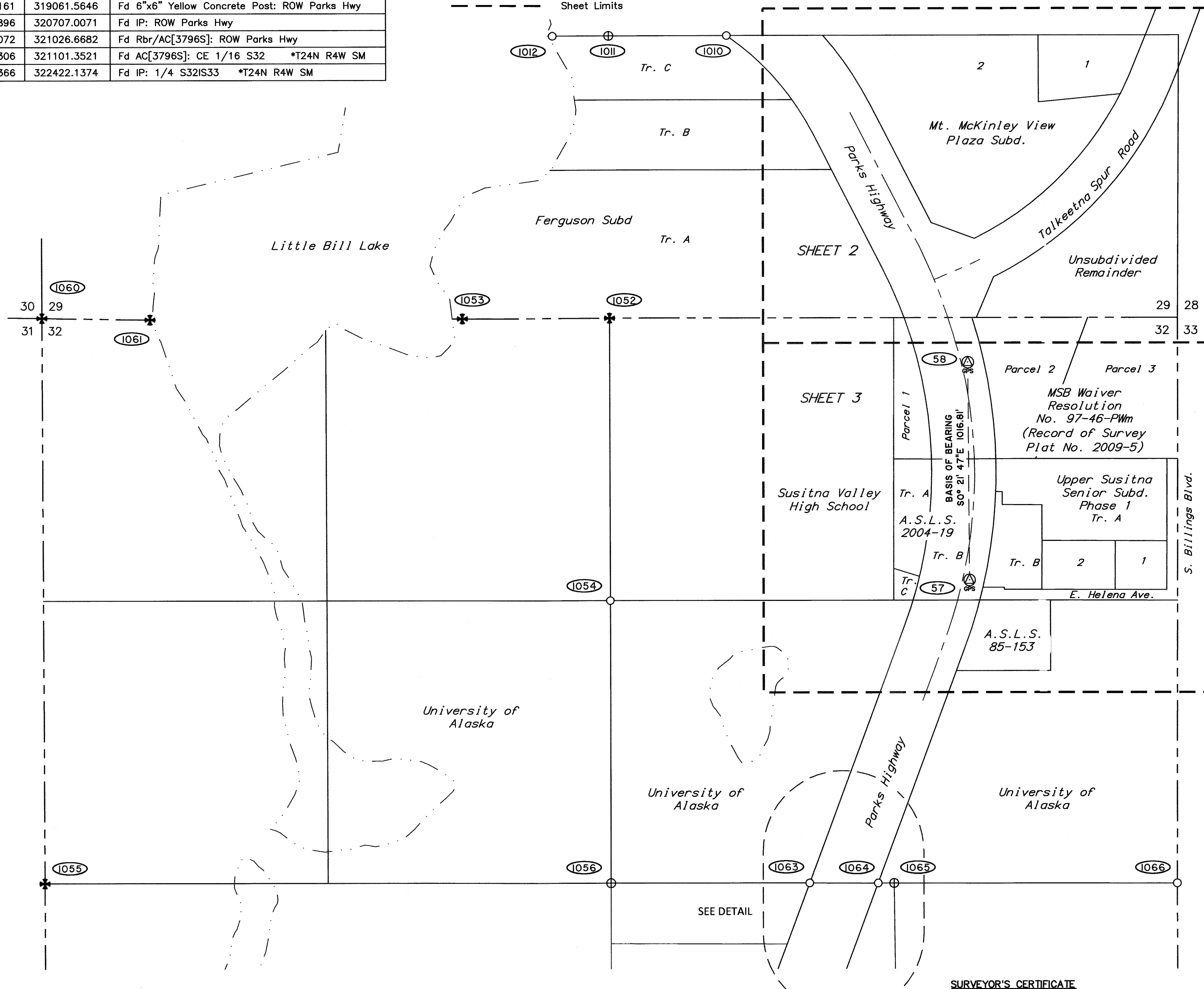


RECOVERED MONUMENTATION				
POINT	NORTHING	EASTING	DESCRIPTION	
1010	348590.1827	320325.0895	Fd Rbr: NE Tr C Ferguson Subdivision	
1011	348589.5558	319774.4052	Fd BC[613-S]: CS 1/16 S29 *T24N R4W SM	
1012	348589.3074	319512.5061	Fd Rbr: NW WCMC Tr C Ferguson Subdivision	
1052	347270.4154	319777.6225	Fd BC [GLO]: 1/4 S29/S32 *T24N R4W SM	
1053	347268.2710	319090.5901	Fd BC [GLO]: MC S29/S32 *T24N R4W SM	
1054	345949.8226	319779.0138	Fd Rbr: CN 1/16 S32 *T24N R4W SM	
1055	344629.2449	317138.1173	Fd BC [GLO]: 1/4 S31S32 *T24N R4W SM	
1056	344629.1269	319780.7121	Fd AC [3796S]: C 1/4 S32 *T24N R4W SM	
1058	340072.0831	319343.0144	Fd 6"x6" Yellow Concrete Post: ROW Parks Hwy	
1060	347272.6321	317127.9738	Fd BC [GLO]: S30S29/S31S32 *T24N R4W SM	
1061	347264.9074	317632.6988	Fd BC [GLO]: MC S29/S32 *T24N R4W SM	
1062	340176.5161	319061.5646	Fd 6"x6" Yellow Concrete Post: ROW Parks Hwy	
1063	344629.2896	320707.0071	Fd IP: ROW Parks Hwy	
1064	344628.5072	321026.6682	Fd Rbr/AC[3796S]: ROW Parks Hwy	
1065	344628.5306	321101.3521	Fd AC[3796S]: CE 1/16 S32 *T24N R4W SM	
1066	344627.4366	322422.1374	Fd IP: 1/4 S32S33 *T24N R4W SM	

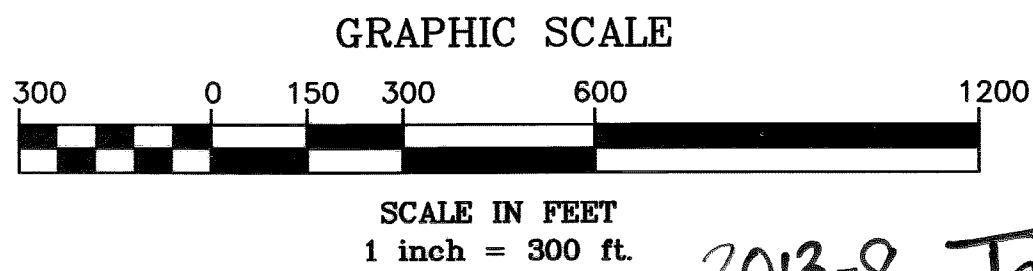
LEGEND

- GPS Control Station, Found
- Primary Government Monument, Found
- Centerline Monument, Found
- Primary Monument, Found
- Secondary Corner, Found
- Monument Number, see Sheets 4 & 5
- Section Line
- Property Line
- Centerline Road Asbuilt
- Survey Tie Line
- Edge Water
- Sheet Limits

DETAIL  
NTS



HORIZONTAL AND VERTICAL CONTROL				
POINT	NORTHING	EASTING	ELEV	DESCRIPTION
57	346044.7406	321455.0762	366.24	Fd Rbr/PC[DOT]: GPS-57
58	347061.5287	321448.6352	373.64	Fd Rbr/PC[DOT]: GPS-58



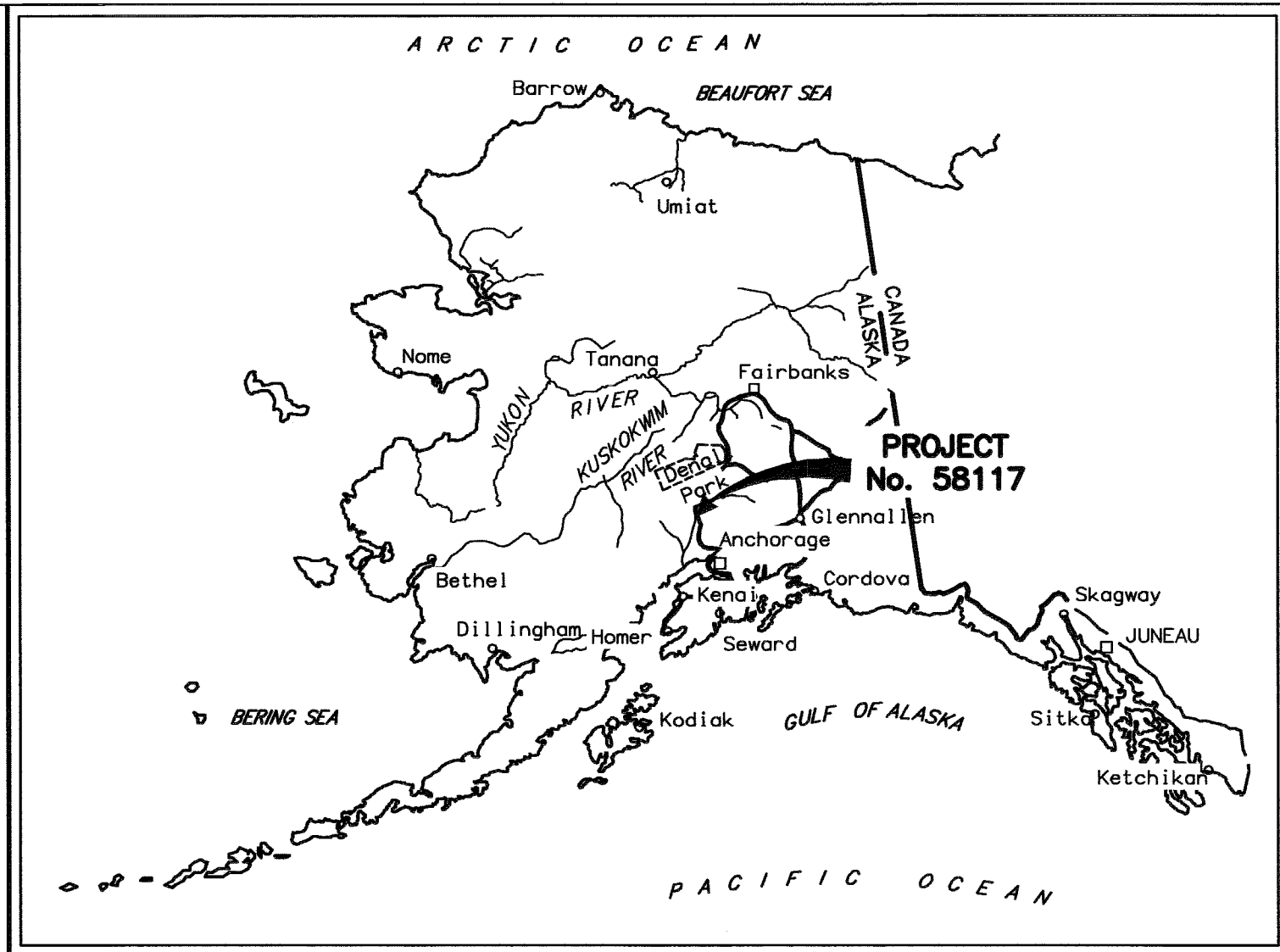
SURVEYOR'S CERTIFICATE

I hereby certify that I am properly Registered and Licensed to practice Land Surveying in the State of Alaska, and that this drawing represents a survey made by me or under my direct supervision, and that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct to the extent shown hereon.

Michael E. Miller, LS-7222

10/8/13  
Date

Magnetic Declination 18°10'E  
NOAA Geophysical Data Center  
May 2013



HORIZONTAL CONTROL STATEMENT

Basis of Coordinates:  
This project is located entirely within the Matanuska-Susitna Valley (SV-2) adjustment, a U.S. Survey Foot local surface grid coordinate system developed by the Alaska Department of Transportation & Public Facilities. The Basis of Coordinates is GPS Control Station 58, a brass disk having SV-2 coordinate values of 347,061.5287 N and 321,448.6352 E as taken from the Survey Control Sheet AKSAS Project No. 58298, Susitna Valley High School Zone. Bearings are grid bearings as determined by GPS observations recorded May 15, 2013 through May 19, 2013 using Topcon dual frequency GPS receivers.

The Basis of Bearings is a local plane bearing between GPS Control Station 58 and GPS Control Station 57. GPS Control Station 57 bears S 0°21'47" E a distance of 1016.81 U.S. Survey Feet from GPS Control Station 58. GPS Control Station 57 has SV-2 coordinates of 346,044.7406 N, and 321,455.0762 E.

Transformation Parameters:  
The conversion from the local coordinate system to Alaska State Plane coordinate system, Zone 4, NAD83(1992): translate the local coordinates using +2,624,987.4040 feet North and +1,312,507.1407 feet East; then scale resulting coordinates using a scale factor of 0.9998907818.

The conversion from Alaska State Plane coordinate system, Zone 4, NAD1983(1992) to local surface grid coordinates; scale the State Plane coordinates using a scale factor of 1.0001092301; then translate the resulting coordinates using -2,624,987.4040 feet North and -1,312,507.1407 feet East.

VERTICAL CONTROL STATEMENT

Elevations are NAVD88 orthometric heights expressed in U.S. Feet. The Basis of Elevations is GPS Control Station 57, having a value of 366.24 U.S. Feet. The NAVD 88 orthometric height for this point is an OPUS derived elevation taken from the Survey Control Sheet AKSAS Project No. 58298, Susitna Valley High School Zone. The NAVD 88 orthometric heights for all other listed control points were determined by differential leveling from GPS Control Station 57.

A Topcon DL-502 digital level was used for differential leveling on this project. Levels were run from control points 57 and 58, through TBM-35, USC&GS BM L105, TBM-34 and BM 2001-12. The level loop closed within Third-order tolerances per Federal Geodetic Control Committee Standards and Specifications for Geodetic Control Networks.

NOTES:

- The information shown hereon is based on a field survey performed by McClintock Land Associates, Inc. from May 15, 2013 through August 23, 2013. Background information depicted is shown for orientation only and should not be used for any other purpose.
- Primary horizontal control was established using Static GPS techniques with Topcon dual frequency receivers. Vectors were adjusted by a simultaneous least squares adjustment using Topcon Tools version 8.2. All recovered monuments were located using Static GPS techniques for positioning. This survey meets or exceeds 1:10,000 closure.
- The road right-of-way and property lines are shown for background and orientation only, but no determination has been made to ensure the boundaries are depicted in the proper location. PLSS monuments shown are in their true location related to the project coordinate system. There was no attempt to rectify the background information such that monuments appear to fall in the proper relationship to section and subdivision of section lines.
- The centerlines of the Parks Highway and the Talkeetna Spur Road were asbuilt this survey.
- All dimensions and coordinates shown are in U.S. Survey Feet unless otherwise noted.
- Douglas F. Popham, PLS (LS-10161) was the field surveyor for this project.

Talkeetna Recording District  
State Business - No Fee  
This survey does not constitute a subdivision as defined by AS 40.15.900



STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
Survey Control Diagram  
Record Of Survey  
AKSAS Project No. 58117

Parks Highway/Talkeetna Spur Road  
Pedestrian Improvements

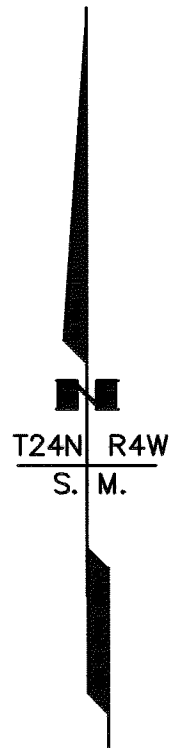
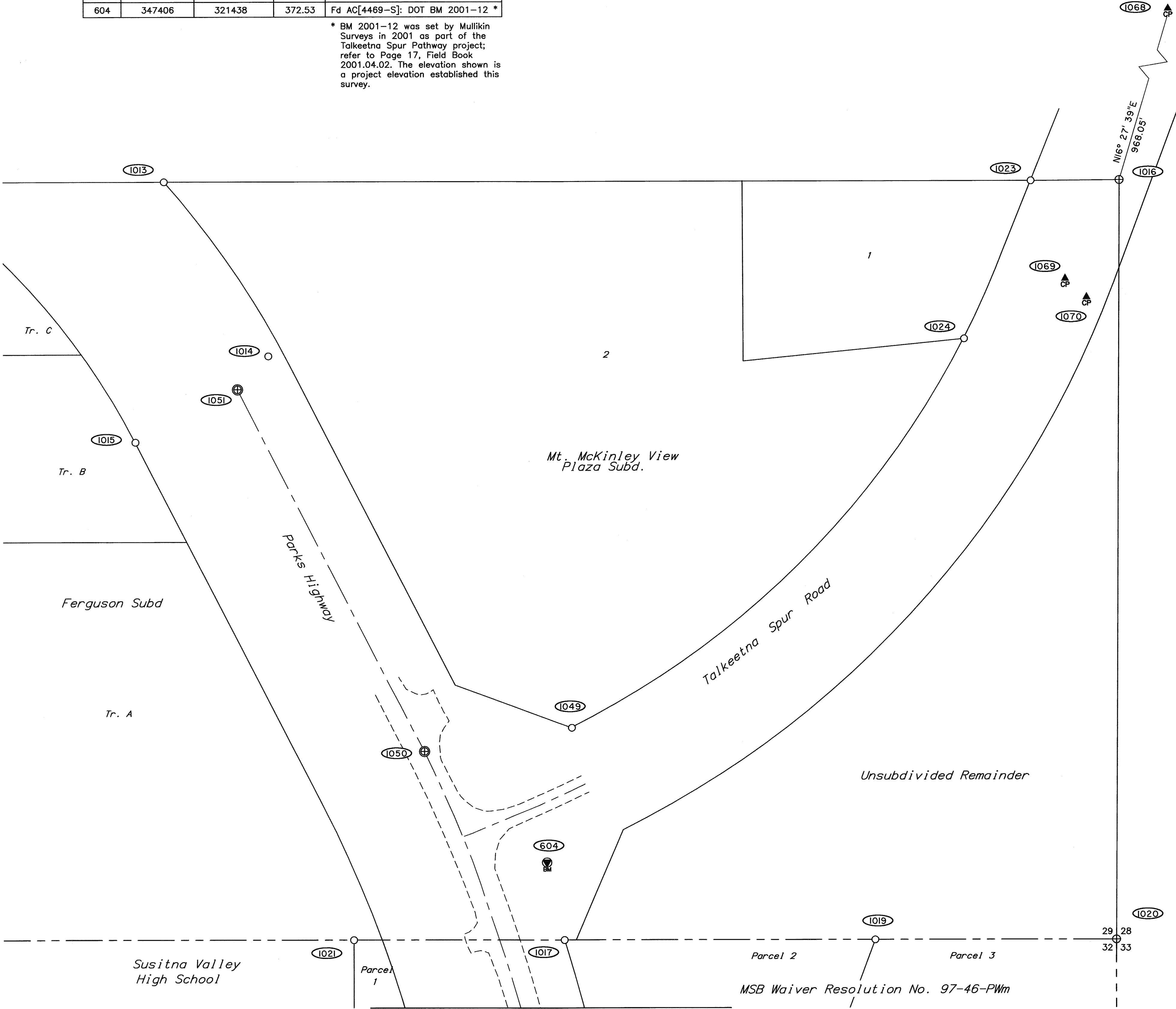
Located within Sections 29 & 32, T24N, R4W, S.M. AK.

DRAWN	SKS	DATE	9-30-13	SCALE	1" = 300'
CHECKED	MM	DATE	9-30-13	SHEET	1 OF 5

HORIZONTAL AND VERTICAL CONTROL				
POINT	NORTHING	EASTING	ELEV	DESCRIPTION
604	347406	321438	372.53	Fd AC[4469-S]: DOT BM 2001-12 *

\* BM 2001-12 was set by Mullikin Surveys in 2001 as part of the Talkeetna Spur Pathway project; refer to Page 17, Field Book 2001.04.02. The elevation shown is a project elevation established this survey.

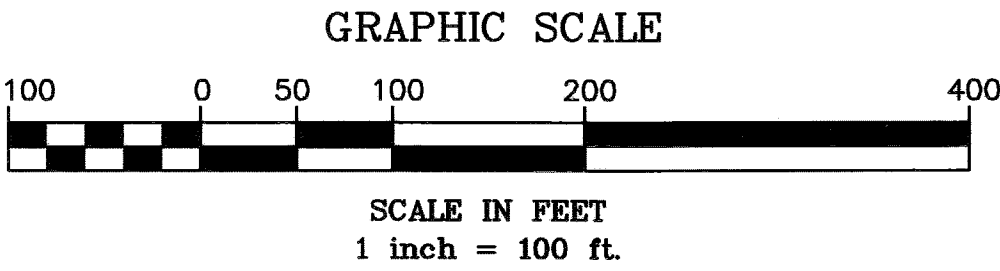
RECOVERED MONUMENTATION			
POINT	NORTHING	EASTING	DESCRIPTION
1013	348590.369	320774.4613	Fd Rbr: NW L2 Mt. McKinley View Plaza Subdivision
1014	348286.9674	320955.4248	Fd IP:
1015	348137.3076	320724.5021	Fd 6"x6" Yellow Concrete Post: ROW Parks Hwy
1016	348591.7592	322433.8652	Fd AC[11550-S]: S 1/16 S29 *T24N R4W SM
1017	347270.768	321468.7833	Fd Rbr: NW Parcel 2 MSB Waiver Res 97-46-PWm
1019	347270.6921	322008.3929	Fd Rbr/AC[10686-S]: NW Parcel 3 MSB Waiver Res 97-46-PWm
1020	347270.7592	322427.1684	Fd AC[4575-S]: S29S28/S32S33 *T24N R4W SM
1021	347270.758	321102.8123	Fd Rbr: NW Parcel 1 MSB Waiver Res 97-46-PWm
1023	348590.5299	322280.1986	Fd Rbr/AC: NE L1 Mt. McKinley View Plaza Subdivision
1024	348315.7858	322164.1154	Fd Rbr: SE L1 Mt. McKinley View Plaza Subdivision
1049	347640.1875	321481.7568	Fd Rbr/AC[4575-S]: ROW Parks Hwy
1050	347598.9817	321225.8538	Fd BC[DOT]: Centerline Monument Parks Hwy
1051	348228.8124	320901.7231	Fd BC[DOT]: Centerline Monument Parks Hwy
1068	349520.1289	322708.1714	Fd Rbr: CP-503 Talkeetna Spur Hwy SCD AKSAS 55019
1069	348420.1749	322339.8096	Fd Rbr/AC[4469-S]: CP-502 Talkeetna Spur Hwy SCD AKSAS 55019
1070	348387.8229	322377.0589	Fd Rbr/AC[4469-S]: RP to CP-502 Talkeetna Spur Hwy SCD AKSAS 55019



Magnetic Declination 18°10'E  
NOAA Geophysical Data Center  
May 2013

LEGEND

- Control Station, Found
- Centerline Monument, Found
- Bench Mark, Found
- Primary Monument, Found
- Secondary Corner, Found
- Monument Number, see Sheets 4 & 5
- Section Line
- Property Line
- Centerline Road Asbuilt
- Edge Pavement



Talkeetna Recording District  
State Business - No Fee  
This survey does not constitute a  
subdivision as defined by AS 40.15.900

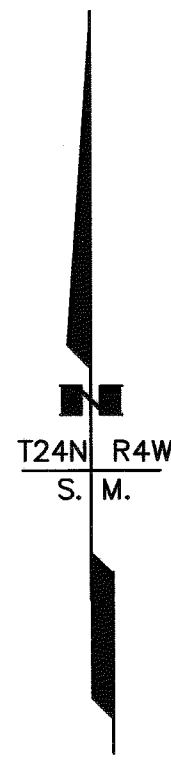
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
Survey Control Diagram  
Record Of Survey  
AKSAS Project No. 58117

Parks Highway/Talkeetna Spur Road  
Pedestrian Improvements

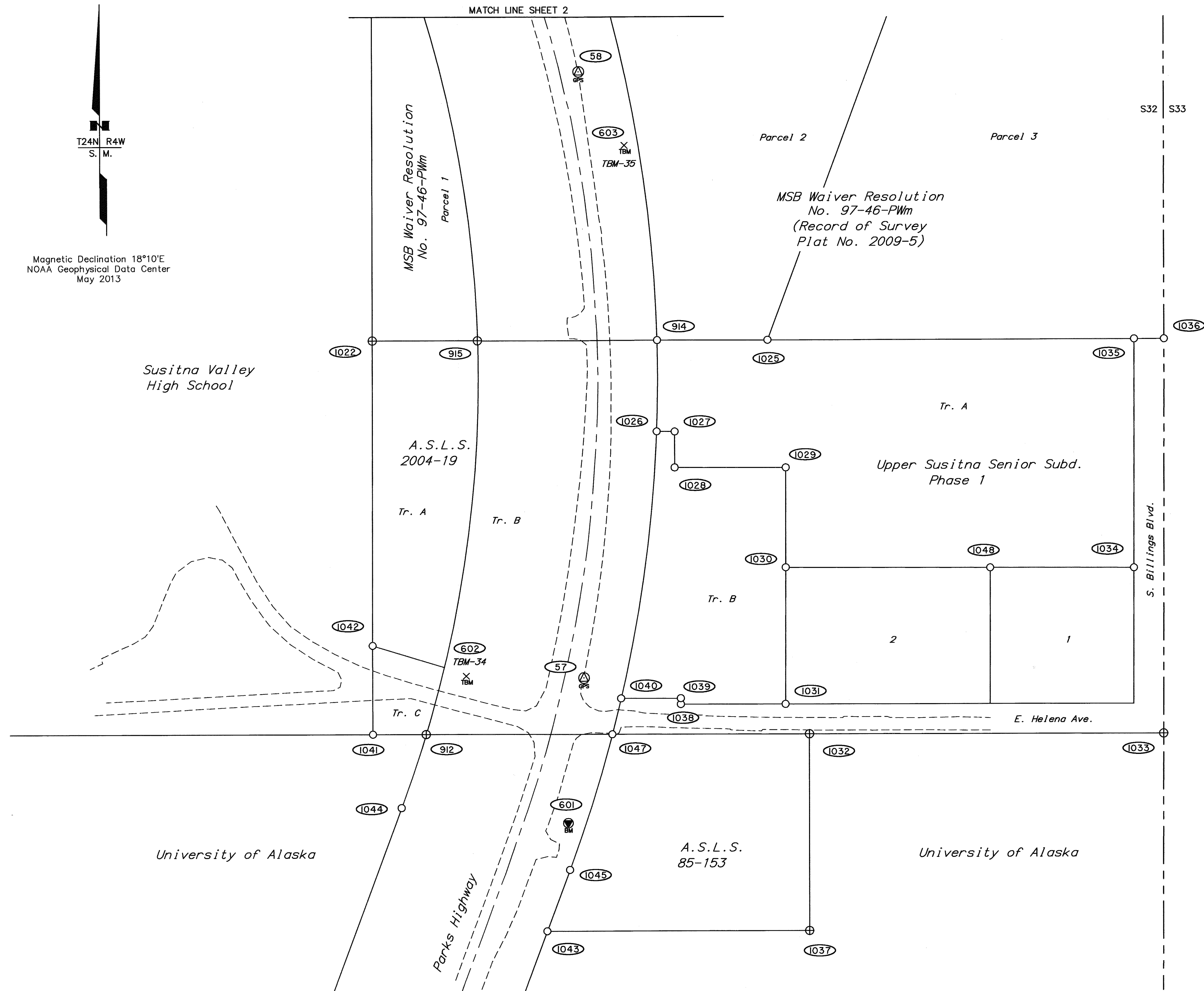
Located within Sections 29 & 32, T24N, R4W, S.M. AK.

DRAWN	SKS	DATE	9-30-13	SCALE	1" = 100'
CHECKED	MM	DATE	9-30-13	SHEET	2 OF 5

2013-8 Talkeetna



Magnetic Declination 18°10'E  
NOAA Geophysical Data Center  
May 2013



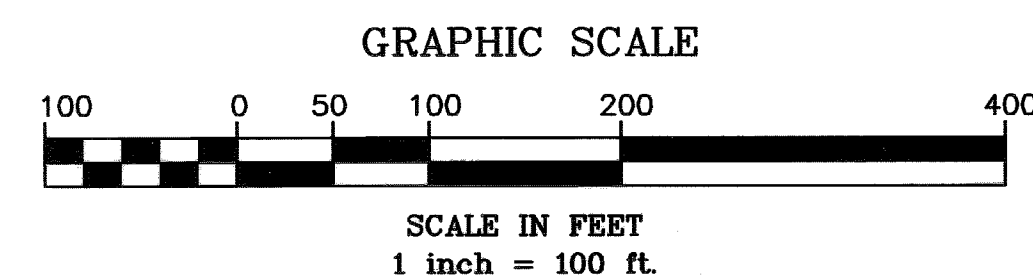
HORIZONTAL AND VERTICAL CONTROL				
POINT	NORTHING	EASTING	ELEV	DESCRIPTION
57	346044.7406	321455.0762	366.24	Fd Rbr/PC[DOT]: GPS-57
58	347061.5287	321448.6352	373.64	Fd Rbr/PC[DOT]: GPS-58
601	345801	321429	362.69	Fd BC[USC&GS]: BM L105 *
602	346048	321258	365.56	Fd R/R Spike in Birch: TBM-34
603	346938	321525	372.03	Fd R/R Spike in Birch: TBM-35

\* The elevation shown for BM L105 is a project elevation. This is not the published NGS elevation.

RECOVERED MONUMENTATION			
POINT	NORTHING	EASTING	DESCRIPTION
912	345950.2788	321190.8217	Fd AC[2234-S]: C4 TR-B ASLS 2004-19
914	346610.7048	321579.0543	Fd Rbr/AC[8132-S]: NW TR-A Upper Susitna Senior Subd Phase I
915	346610.4749	321278.3273	Fd AC[2234-S]: C2 TR-A ASLS 2004-19
1022	346610.5900	321102.3469	Fd AC[2234-S]: C1 TR-A ASLS 2004-19
1025	346610.6694	321763.6968	Fd AC[10686-S]: SW Parcel 3 MSB Waiver Res 97-46-PWm (Plat 2009-5)
1026	346457.7827	321577.9420	Fd Rbr/PC: NW TR-B Upper Susitna Senior Subd Phase I
1027	346457.4472	321607.8764	Fd Rbr/PC[2234-S]: N TR-B Upper Susitna Senior Subd Phase I
1028	346396.9449	321607.7223	Fd Rbr/PC[2234-S]: N TR-B Upper Susitna Senior Subd Phase I
1029	346396.4735	321793.4699	Fd Rbr/PC[2234-S]: NE TR-B Upper Susitna Senior Subd Phase I
1030	346229.0489	321793.0498	Fd Rbr: NW L2 Upper Susitna Senior Subd Phase I
1031	345999.9259	321792.2930	Fd Rbr: SW L2 Upper Susitna Senior Subd Phase I
1032	345949.8265	321832.2084	Fd AC[6267-S]: C2 ASLS 85-153
1033	345949.4343	322424.8167	Fd AC[2234-S]: N 1/16 S32IS33 *T24N R4W SM
1034	346227.1158	322375.6478	Fd Rbr/PC[2234-S]: NE L1 Upper Susitna Senior Subd Phase I
1035	346610.9889	322376.9430	Fd Rbr/PC[2234-S]: NE TR-A Upper Susitna Senior Subd Phase I
1036	346611.0973	322426.9449	Fd Rbr: N-N 1/64 S32IS33 *T24N R4W SM
1037	345619.9505	321832.0335	Fd AC[6267-S]: C3 ASLS 85-153
1038	346000.0300	321617.0762	Fd Rbr: S TR-B Upper Susitna Senior Subd Phase I
1039	346010.0149	321617.1090	Fd Rbr: S TR-B Upper Susitna Senior Subd Phase I
1040	346010.1193	321517.1231	Fd Rbr: SW TR-B Upper Susitna Senior Subd Phase I
1041	345950.3674	321101.6847	Fd Rbr: C4 TR-C ASLS 2004-19
1042	346099.3585	321101.3732	Fd Rbr: NW TR-C ASLS 2004-19
1043	345620.0653	321393.0387	Fd Alum Pipe: C4 ASLS 85-153
1044	345827.0013	321149.5627	Fd 6"x6" Yellow Concrete Post: ROW Parks Hwy
1045	345723.0192	321431.1854	Fd Rbr: C5 ASLS 85-153
1047	345950.1514	321502.3526	Fd Rbr: C1 ASLS 85-153
1048	346227.7470	322135.1924	Fd Rbr/PC[2234-S]: NW L1 Upper Susitna Senior Subd Phase I

#### LEGEND

	GPS Control Station, Found
	Primary Monument, Found
	Secondary Corner, Found
	Bench Mark, Found
	Temporary Bench Mark, Found
	Monument Number, see Sheets 4 & 5
	Section Line
	Property Line
	Centerline Road Asbuilt
	Edge Pavement



Talkeetna Recording District  
State Business - No Fee  
This survey does not constitute a  
subdivision as defined by AS 40.15.900

#### STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

Survey Control Diagram  
Record of Survey  
AKSAS Project No. 58117

Parks Highway/Talkeetna Spur Road  
Pedestrian Improvements

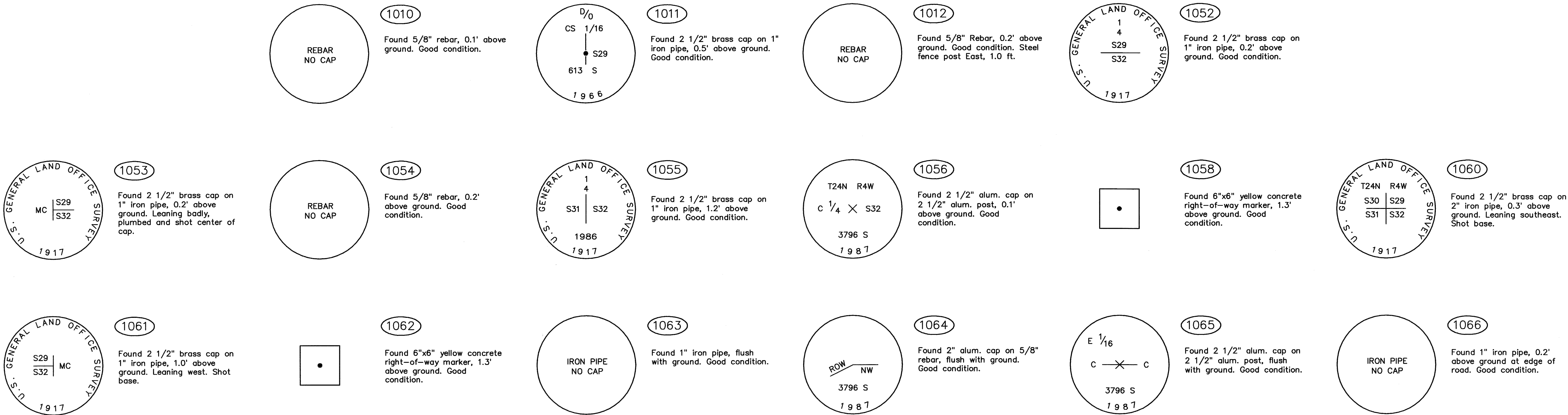
Located within Sections 29 & 32, T24N, R4W, S.M. AK.

DRAWN	SKS	DATE	9-30-13	SCALE	1" = 100'
CHECKED	MM	DATE	9-30-13	SHEET	3 OF 5

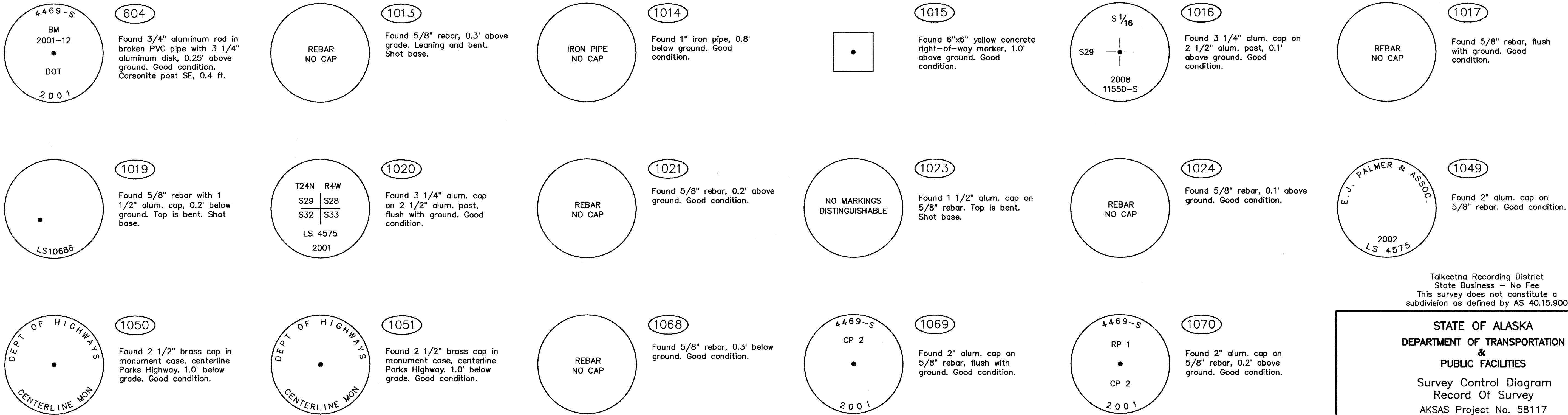
2013-8 Talkeetna



Sheet 1 Monuments



Sheet 2 Monuments



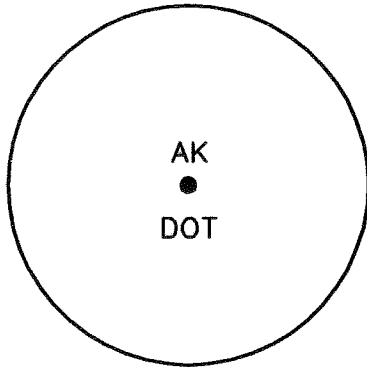
Talkeetna Recording District  
State Business - No Fee  
This survey does not constitute a  
subdivision as defined by AS 40.15.900

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
Survey Control Diagram  
Record Of Survey  
AKSAS Project No. 58117  
Parks Highway/Talkeetna Spur Road  
Pedestrian Improvements  
Located within Sections 29 & 32, T24N, R4W, S.M. AK.

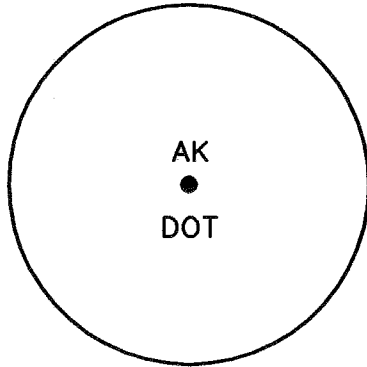
DRAWN	SKS	DATE	9-30-13	SCALE	N/A
CHECKED	MM	DATE	9-30-13	SHEET	4 OF 5

2013-8 Talkeetna

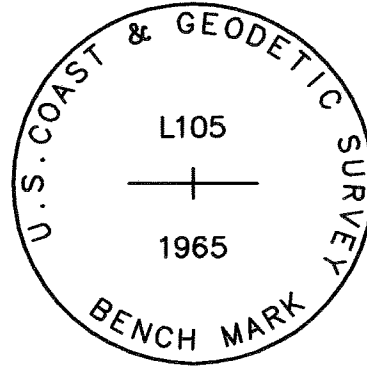
Sheet 3 Monuments



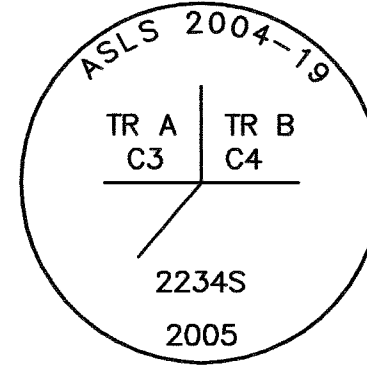
57  
Found 1 1/4" orange plastic cap on 5/8" rebar, 0.2' below ground. 0.4' East of pavement. Good condition.



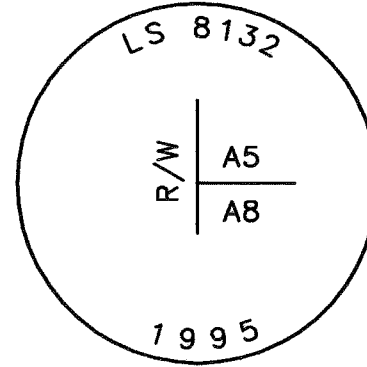
58  
Found 1 1/4" orange plastic cap on 5/8" rebar, 0.2' below ground. 0.2' East of pavement. Good condition.



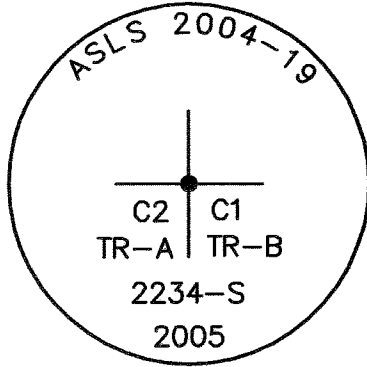
601  
Found 3 1/4" brass disk. 1.2' below ground. Good condition.



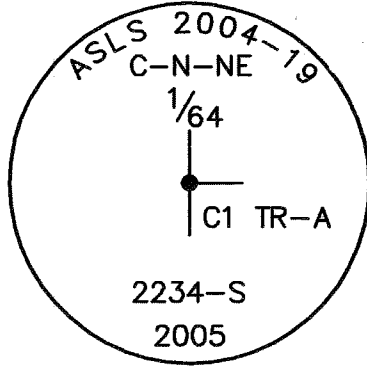
912  
Found 3 1/4" alum. cap on 2 1/2" alum. post, 0.6' above ground. Good condition.



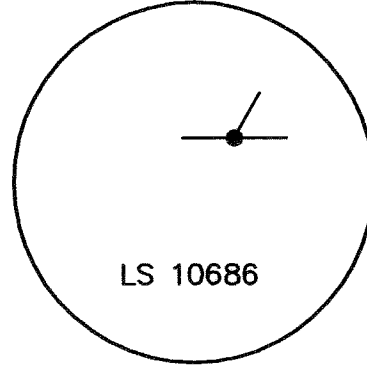
914  
Found 2" alum. cap on 5/8" rebar, flush with ground. Cap leaning slightly to south.



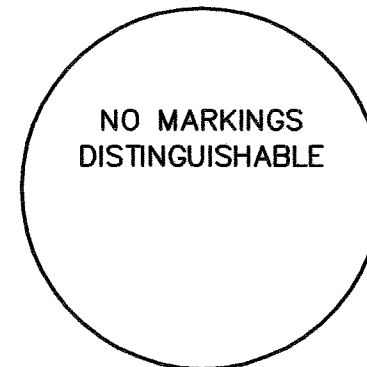
915  
Found 3 1/4" alum. cap on 2 1/2" alum. post, 0.1' above ground. Good condition.



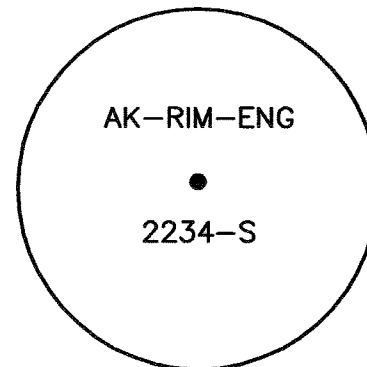
1022  
Found 3 1/4" alum. cap on 2 1/2" alum. post, 0.2' above ground. Good condition.



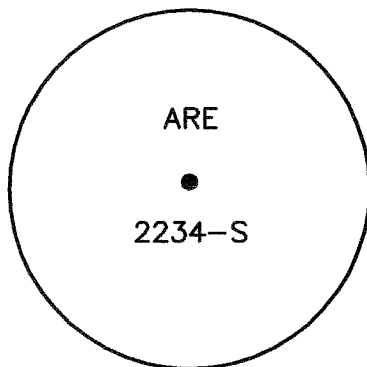
1025  
Found 1 1/2" alum. cap, flush with ground. Good condition.



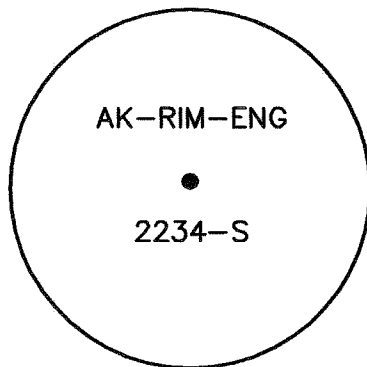
1026  
Found 1 1/4" yellow plastic cap on 5/8" rebar, 0.1' below ground. Cap is damaged and illegible. Rebar in good condition.



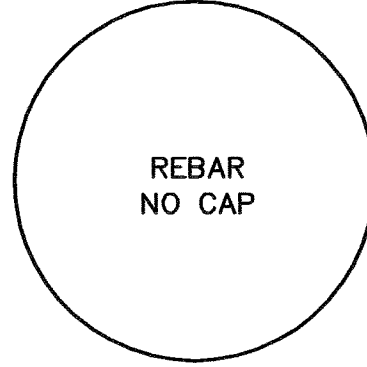
1027  
Found 1 1/4" yellow plastic cap on 5/8 rebar, flush with ground. Good condition.



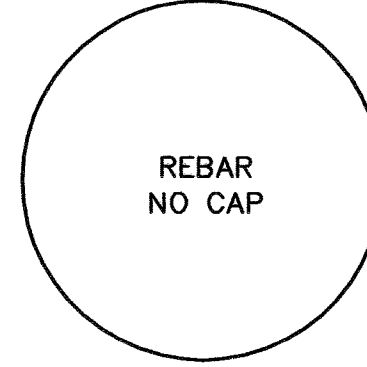
1028  
Found 1 1/4" yellow plastic cap on 5/8 rebar, flush with ground. Good condition.



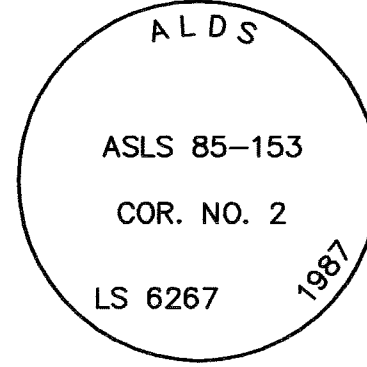
1029  
Found 1 1/4" yellow plastic cap on 5/8 rebar, 0.5' above ground. Good condition.



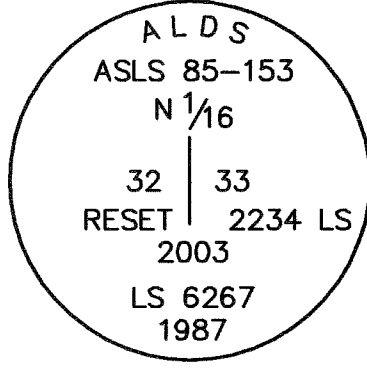
1030  
Found 5/8" rebar, 0.2' below ground. Good condition.



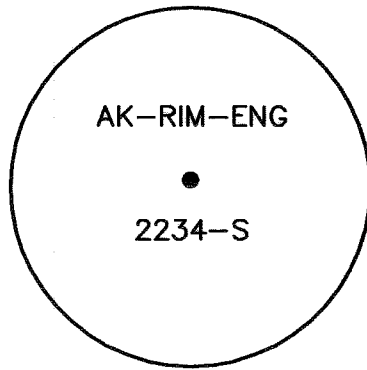
1031  
Found 5/8" rebar, 0.3' below ground. Good condition.



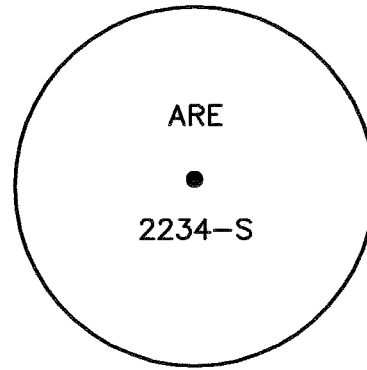
1032  
Found 3 1/4" alum. cap on alum. post, 0.5' below ground. Not magnetic. Good condition.



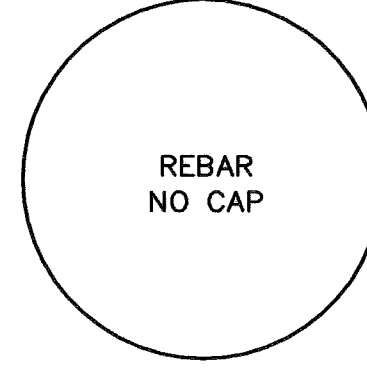
1033  
Found 3 1/4" alum. cap in monument case, 0.5' below grade. Good condition.



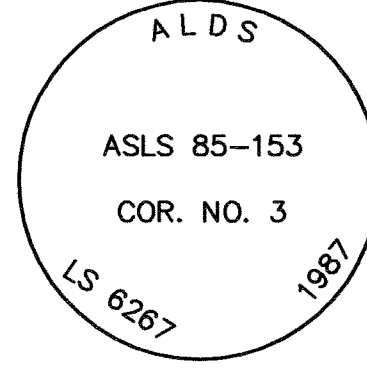
1034  
Found 1 1/4" yellow plastic cap on 5/8 rebar, flush with ground. Good condition.



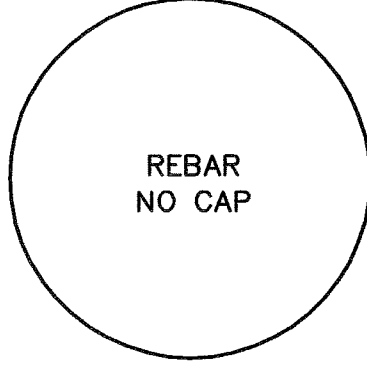
1035  
Found 1 1/4" yellow plastic cap on 5/8 rebar, flush with ground. Good condition.



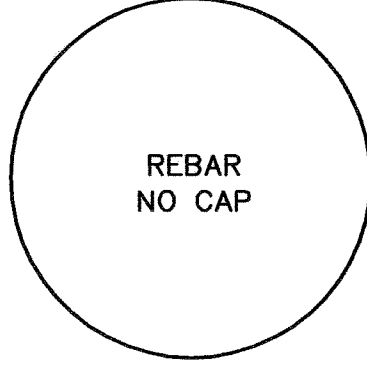
1036  
Found 5/8" rebar, 0.1' above ground. Good condition.



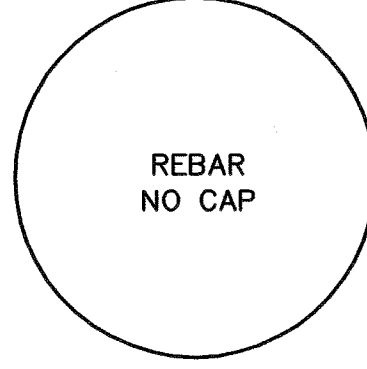
1037  
Found 3 1/4" alum. cap on alum post, 0.1' above ground. Good condition.



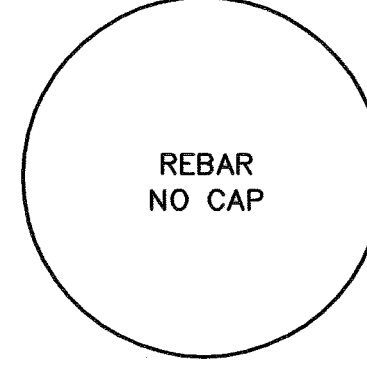
1038  
Found 5/8" rebar, 0.1' below ground. Good condition.



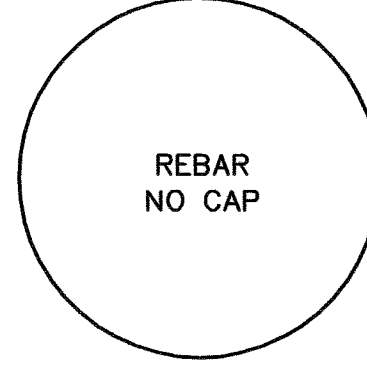
1039  
Found 5/8" rebar, 0.1' below ground. Good condition.



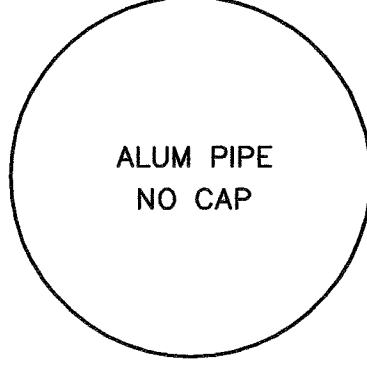
1040  
Found 5/8" rebar, 0.2' below ground. Good condition.



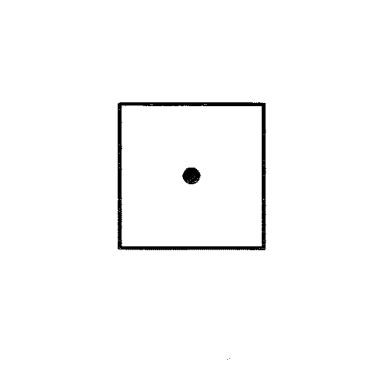
1041  
Found 5/8" rebar, 0.1' above ground. Good condition.



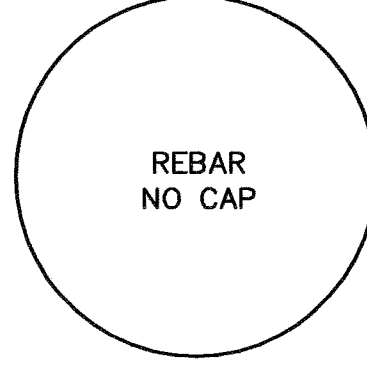
1042  
Found 5/8" rebar in pink sleeve, flush with ground. Good condition.



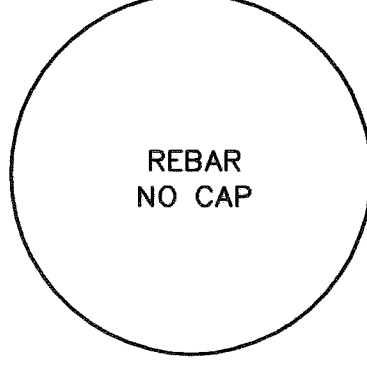
1043  
Found bent 2 1/2" alum. pipe, no cap. Shot base.



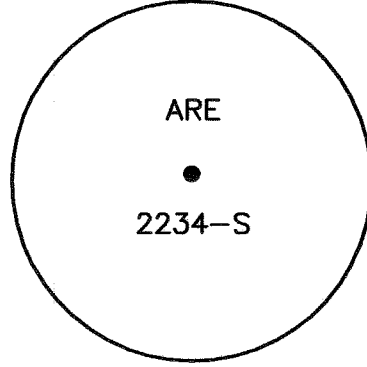
1044  
Found 6"x6" yellow concrete right-of-way marker, 1.0' above ground. Good condition.



1045  
Found 5/8" rebar, severely bent. Shot base.



1047  
Found 5/8" rebar, 0.2' below grade in church driveway. Good condition.



1048  
Found 1 1/4" yellow plastic cap on 5/8 rebar, flush with ground. Good condition.

Talkeetna Recording District  
State Business - No Fee  
This survey does not constitute a  
subdivision as defined by AS 40.15.900

2013-8  
Plat #  
Talkeetna  
Rec Dist  
Oct 16 2013  
Date  
Time 1:16 P M

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
Survey Control Diagram  
Record Of Survey  
AKSAS Project No. 58117

Parks Highway/Talkeetna Spur Road  
Pedestrian Improvements

Located within Sections 29 & 32, T24N, R4W, S.M. AK.

DRAWN	SKS	DATE	9-30-13	SCALE	N/A
CHECKED	MM	DATE	9-30-13	SHEET	5 OF 5