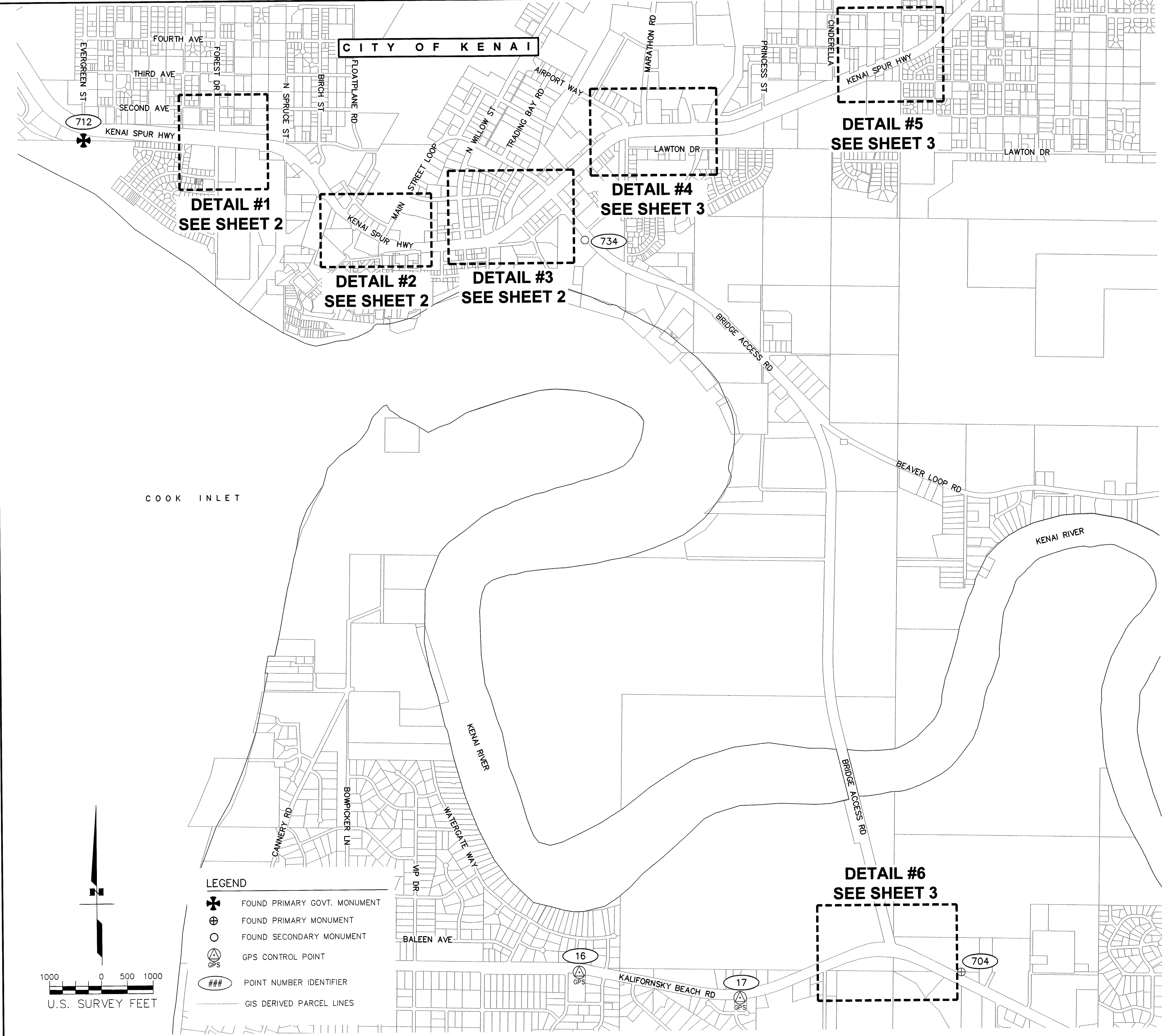




FOUND PROJECT CONTROL THIS PAGE				
Point #	Northing	Easting	Elevation	Description
16	86161.8668	105068.9454	41.40	Found BD/ROD: AKDOT GPS-16 2006
17	85649.0532	108169.4763	45.70	Found BD/ROD: AKDOT GPS-17 2006

FOUND PROPERTY CORNERS THIS PAGE			
Point #	Northing	Easting	Description
704	86113.9990	112443.5934	Found AM[KPB]: W 1/16 S15[S22 *T5N R11W SM
712	102278.5306	95627.6320	Found BM[GL0]: S36[S31/S1S6 *T6N/T5N R12W[R11W SM
734	100283.3159	105293.6130	Found Conc ROW Mon: S ROW Bridge Access Rd

FOUND VERTICAL CONTROL (NOT SHOWN THIS SURVEY CONTROL DRAWING)				
Point #	Northing	Easting	Elevation	Description
634	144545	85993	166.92	Found BC[USG&GS]: STATION E81 1964

HORIZONTAL CONTROL

A GROUND COORDINATE SYSTEM IN U.S. SURVEY FEET DEVELOPED BY DOT (KEN-1) AS A MODIFICATION TO ALASKA COORDINATE SYSTEM, ZONE 4, NAD83 (CORS96) (EPOCH 2003.00). THE GROUND COORDINATE SYSTEM PRESERVES A STATE PLANE BEARING BASIS WHILE PROVIDING GROUND DISTANCES AT THE PROJECT LOCATION (SEE CONVERSION PARAMETERS).

CONVERSION PARAMETERS

TO CONVERT FROM THE GROUND COORDINATE SYSTEM TO NAD83 STATE PLANE ALASKA ZONE 4 PERFORM THE FOLLOWING:

1. SCALE THE STATE PLANE COORDINATES USING 0.9999250605.
2. ADD 2296762.8275N, 1312443.4886E TO THE RESULTING COORDINATES.

TO CONVERT FROM NAD83 STATE PLANE ALASKA ZONE 4 TO THE GROUND COORDINATE SYSTEM PERFORM THE FOLLOWING:

1. SCALE THE STATE PLANE COORDINATES USING 1.0000749451.
2. SUBTRACT 2296762.8275N, 1312443.4886E FROM THE RESULTING COORDINATES.

BASIS OF GEODETIC COORDINATES

THE NAD83 (CORS96) (EPOCH 2003.00) POSITIONS OF THE FOLLOWING: KEN5 (NGS CORS) AND DOT CONTROL POINTS 16, 17, AND 18, PER RECORD OF SURVEY #2007-59 (KENAI RECORDING DISTRICT).

BASIS OF VERTICAL CONTROL

NAVD88, HOLDING THE ELEVATION OF DOT CONTROL POINT 18, PER RECORD OF SURVEY #2007-59 (KENAI RECORDING DISTRICT) AND THE PUBLISHED ELEVATION OF E 81 (NGS PID # TT0526).

SURVEY NOTES

- 1) ALL DIMENSIONS AND COORDINATES SHOWN ARE IN U.S. SURVEY FEET.
- 2) SURVEY WAS CONDUCTED BY USKH DURING AUGUST AND SEPTEMBER 2013.
- 3) GPS MEASUREMENTS WERE PERFORMED USING TRIMBLE R6 AND R8 GNSS RECEIVERS AND PROCESSED USING TRIMBLE BUSINESS CENTER V3.02 SOFTWARE. VERTICAL CONTROL WAS SURVEYED USING A TRIMBLE DINI DIGITAL BAR CODE LEVEL.
- 4) BACKGROUND SUBDIVISION AND STREET INFORMATION IS FOR ORIENTATION PURPOSES ONLY.
- 5) ALL ELEVATIONS MUST BE FIELD VERIFIED BEFORE USE.

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.

Jacob M. Gerondale 6/16/14
Jacob M. Gerondale LS-11758 Date

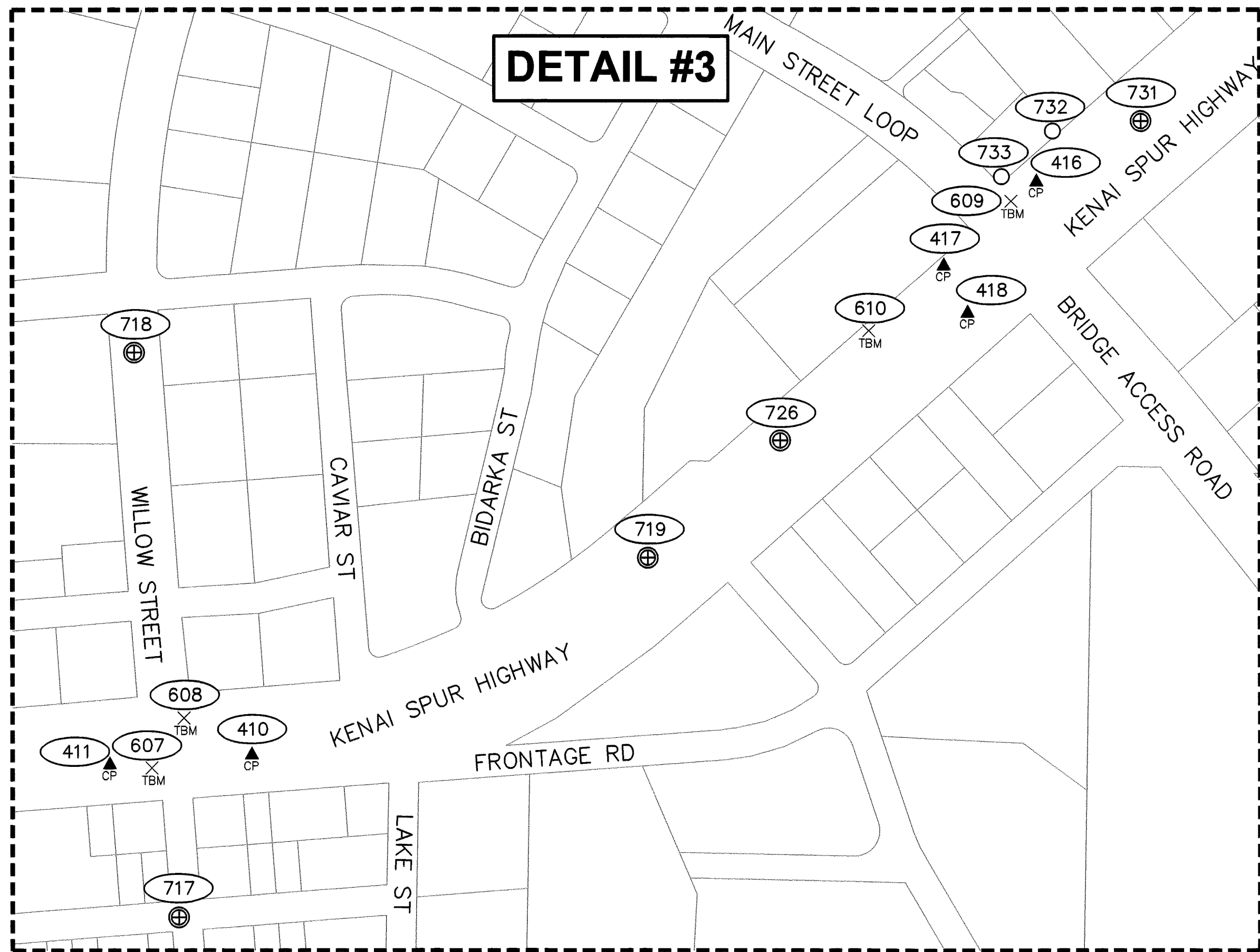
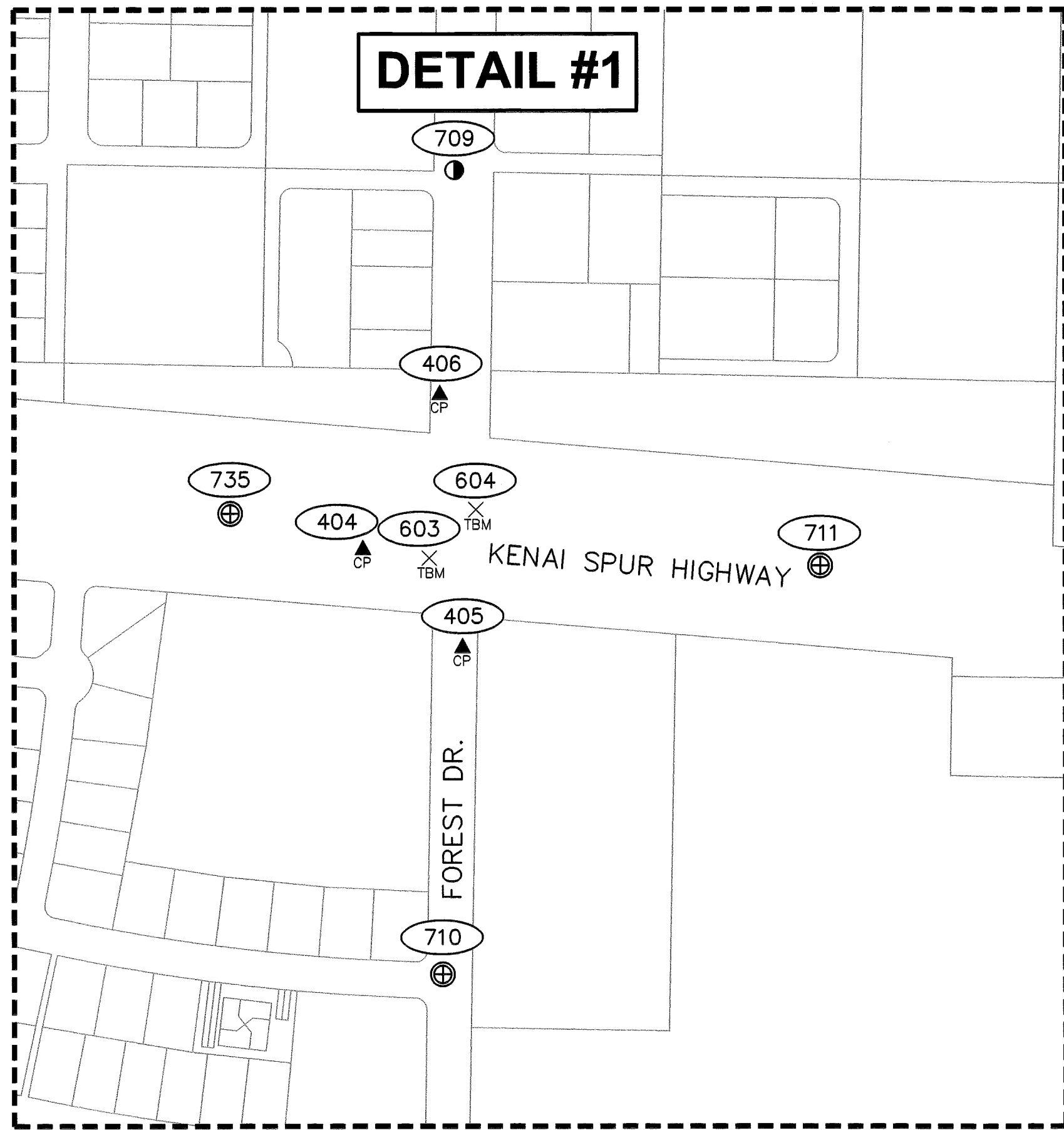
Kenai Recording District
State Business - No Fee
This survey does not constitute a subdivision
as defined by AS 40.15.900(5)



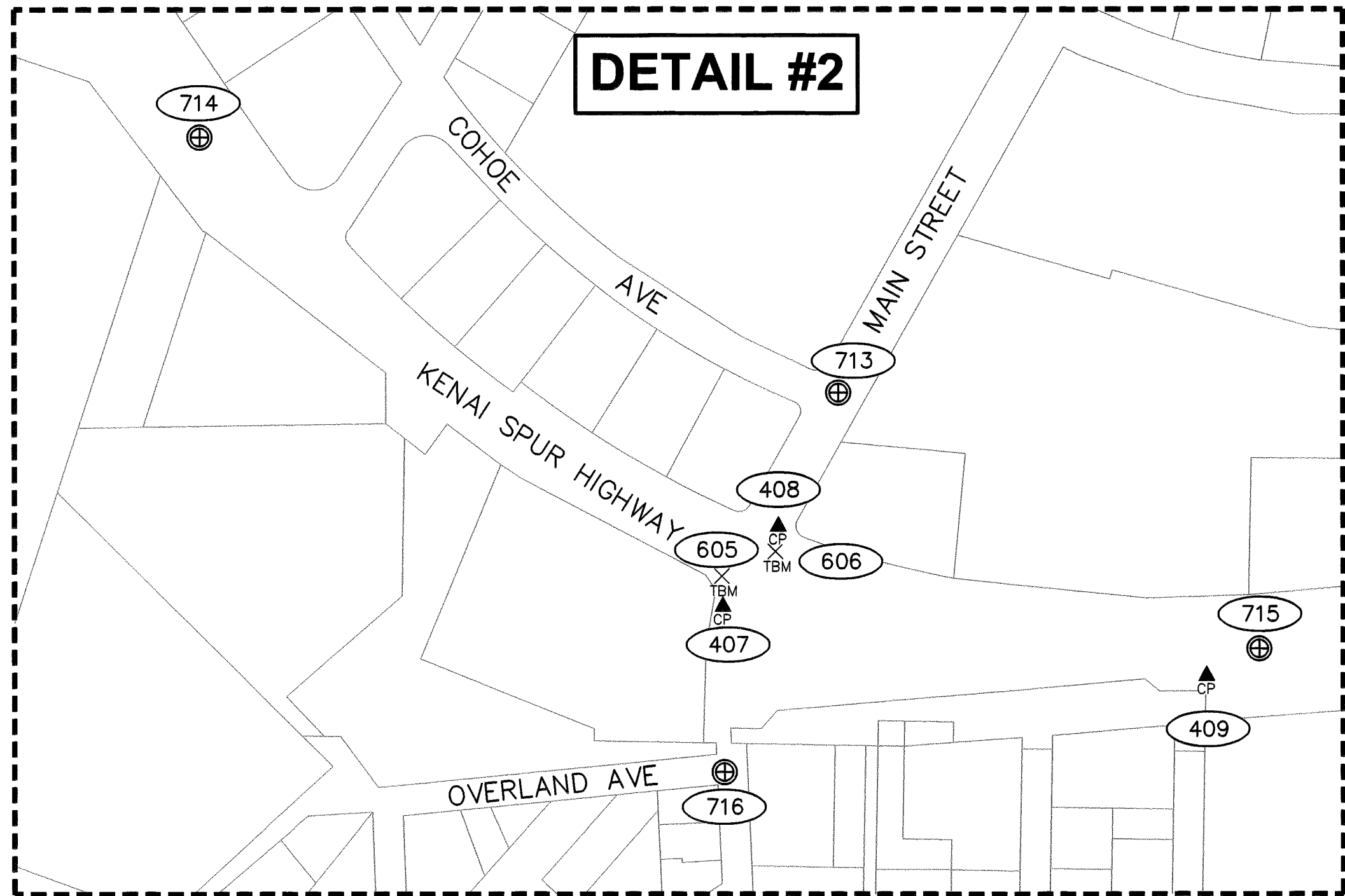
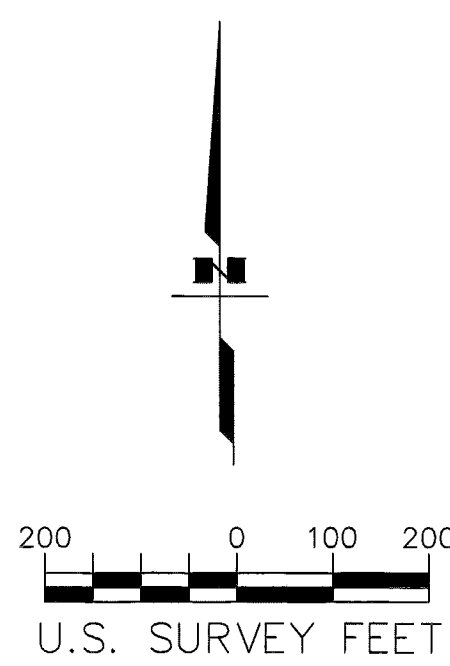
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SURVEY CONTROL DIAGRAM

Record Of Survey
CENTRAL REGION FLASHING YELLOW ARROW
INTELLIGENT TRANSPORT SYSTEMS - KENAI AREA
AKSAS 54474
Located Within T05N R11W, Secs 4-5, 15-16, and 20-22;
T05N R12W, Sec 1; T06N R11W, Secs 31-34;
and T06N R12W, Sec 36, Seward Meridian

DRAWN	EFG/BCS/BVS	DATE	05/14/2014	SCALE	1" = 1000'
CHECKED	BCS	DATE	05/14/2014	SHEET	1 OF 4



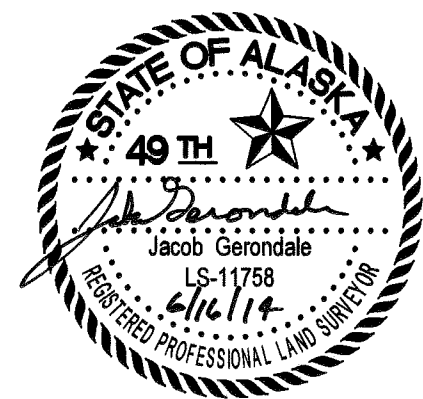
- LEGEND**
- ### POINT NUMBER IDENTIFIER
 - FOUND SECONDARY MONUMENT
 - ▲ PROJECT CONTROL POINT
 - ⊕ FOUND PRIMARY CENTERLINE MONUMENT
 - FOUND SECONDARY CENTERLINE MONUMENT
 - × TBM SET VERTICAL CONTROL (TEMPORARY BENCHMARK)
 - PARCEL/LOT LINES



SET PROJECT CONTROL THIS PAGE				
Point #	Northing	Easting	Elevation	Description
404	102255.3257	98042.3722	87.28	Set RBR/RPC[USKH]: CONTROL POINT
405	102092.2118	98208.0764	82.75	Set RBR/RPC[USKH]: CONTROL POINT
406	102513.8529	98170.4373	83.51	Set Magnetic Nail: CONTROL POINT
407	100243.0797	101333.6025	86.59	Set Magnetic Nail: CONTROL POINT
408	100374.3057	101424.3150	85.32	Set Magnetic Nail: CONTROL POINT
409	100129.4144	102126.2057	86.31	Set Magnetic Nail: CONTROL POINT
410	100207.0674	103116.4592	84.42	Set Magnetic Nail: CONTROL POINT
411	100187.7918	102835.7749	83.32	Set Magnetic Nail: CONTROL POINT
416	101338.5956	104667.4697	88.05	Set Magnetic Nail: CONTROL POINT
417	101173.8601	104484.2212	87.20	Set Magnetic Nail: CONTROL POINT
418	101079.9978	104531.2080	87.00	Set Magnetic Nail: CONTROL POINT

SET VERTICAL CONTROL THIS PAGE				
Point #	Northing	Easting	Elevation	Description
603	102242	98153	85.61	Set TBM: Marked X on Top of Base of Light Pole
604	102322	98231	84.51	Set TBM: Marked X on Top of Base of Light Pole
605	100258	101330	87.65	Set TBM: Marked X on Top of Base of Light Pole
606	100333	101420	86.17	Set TBM: Marked X on Top of Base of Light Pole
607	100182	102919	84.44	Set TBM: Marked X on Top of Base of Light Pole
608	100281	102983	83.95	Set TBM: Marked X on Top of Base of Light Pole
609	101301	104617	88.38	Set TBM: Marked X on Top of Base of Light Pole
610	101046	104336	86.86	Set TBM: Marked X on Top of Base of Light Pole

FOUND PROPERTY CORNERS THIS PAGE			
Point #	Northing	Easting	Description
709	102887.3498	98195.3234	Found AC[6101-S]: N Forest Drive at 2nd Ave
710	101548.6056	98174.7110	Found AC/Bx[DOT]: S Forest Drive at Fathom Drive
711	102229.1843	98803.5805	Found BC/Bx[DOH]: CL Kenai Spur Hwy
713	100593.1513	101523.0773	Found BC/Bx[DOH]: Main St at Cohoe Ave
714	101011.5487	100476.5005	Found BC/Bx[DOH]: CL Kenai Spur Hwy
715	100173.7802	102212.2937	Found BC/Bx[DOH]: CL Kenai Spur Hwy
716	99972.0274	101335.9997	Found AC/Bx[4928]: Main St at Overland
717	99886.9474	102972.2742	Found AC/Bx[DOT]: Willow St at Marine Ave
718	101002.6287	102884.6403	Found BC/Bx[DOH]: PC Willow St
719	100596.4984	103899.2864	Found BC/Bx[DOH]: CL Kenai Spur Hwy
726	100828.4760	104161.1846	Found AC/Bx[DOT]: OLD CL: Kenai Spur Hwy
731	101459.3393	104873.6269	Found AC/Bx[DOT]: OLD CL: Kenai Spur Hwy
732	101439.5554	104699.4044	Found RBR: E Cor Tr A-3 Airport Lease Property City Gate Addn
733	101349.5680	104598.3922	Found RBR/AC[4928-S]: S Cor Tr A-3 Airport Lease Property City Gate Addn
735	102315.6559	97821.7199	Found AC/Bx[DOT]: CL Kenai Spur Hwy

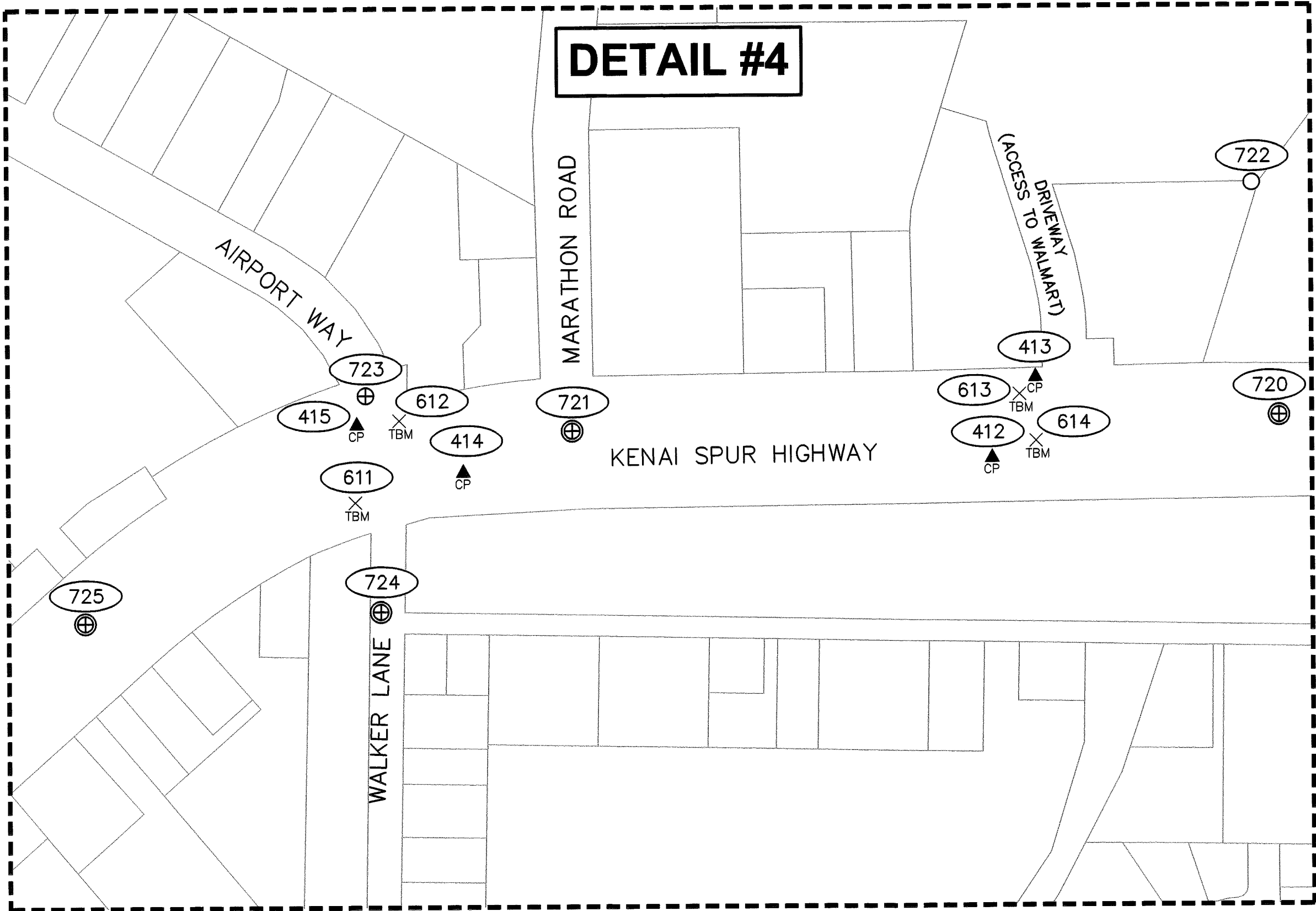


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SURVEY CONTROL DIAGRAM
Record Of Survey
CENTRAL REGION FLASHING YELLOW ARROW
INTELLIGENT TRANSPORT SYSTEMS - KENAI AREA
AKSAS 54474
Located Within T05N R11W, Secs 4-6, 15-16, and 20-22;
T05N R12W, Sec 1; T06N R11W, Secs 31-34;
and T06N R12W, Sec 36, Seward Meridian

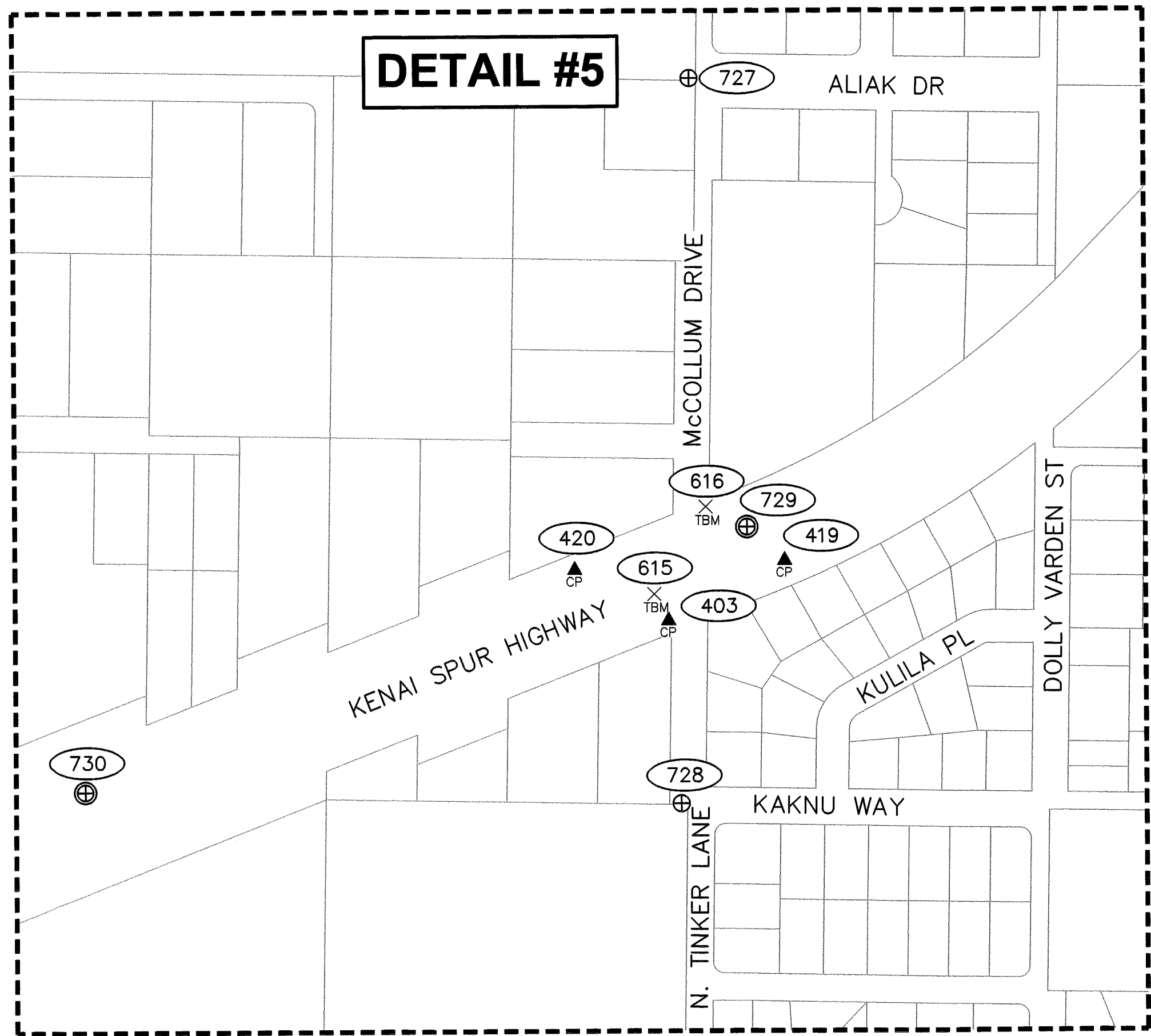
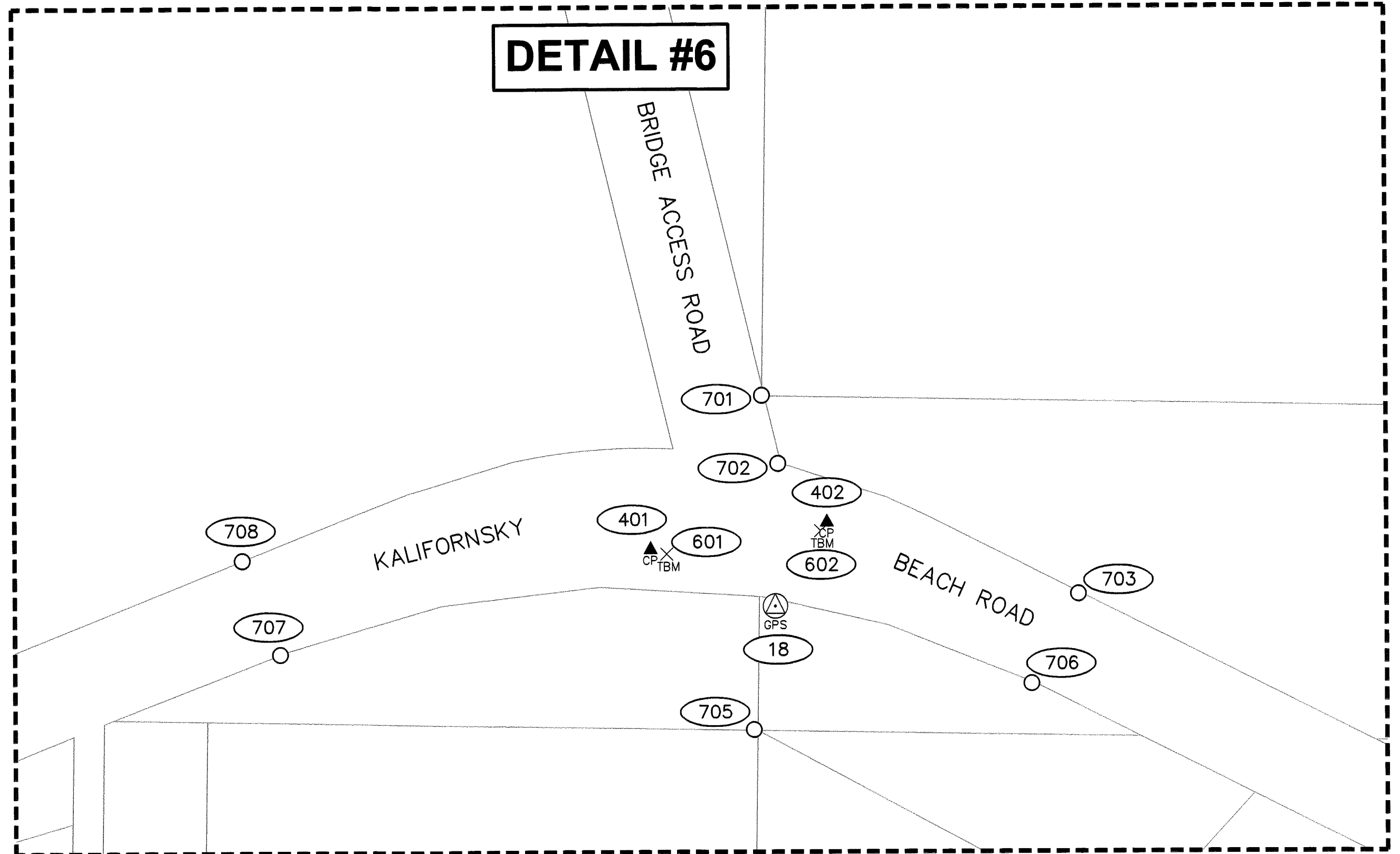
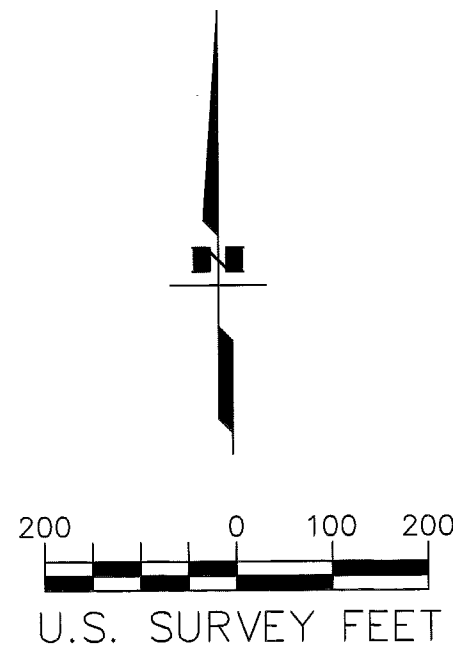
DRAWN	EFG/BCS/BVS	DATE	05/14/2014	SCALE	1" = 200'
CHECKED	BCS	DATE	05/14/2014	SHEET	2 OF 4

Kenai 2014-31

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- LEGEND**
- ⊕ FOUND PRIMARY MONUMENT
 - FOUND SECONDARY MONUMENT
 - △ GPS
 - ▲ PROJECT CONTROL POINT
 - ⊕ FOUND PRIMARY CENTERLINE MONUMENT
 - ⊗ SET VERTICAL CONTROL (TEMPORARY BENCHMARK)
 - ### POINT NUMBER IDENTIFIER
 - PARCEL/LOT LINES



FOUND PROJECT CONTROL THIS PAGE				
Point #	Northing	Easting	Elevation	Description
18	86383.1043	111165.4729	50.62	Found BD/ROD: AKDOT GPS-18 2006

SET PROJECT CONTROL THIS PAGE				
Point #	Northing	Easting	Elevation	Description
401	86495.0133	110919.8039	39.14	Set RBR/RPC[USKH]: CONTROL POINT
402	86547.5097	111268.1839	48.05	Set RBR/RPC[USKH]: CONTROL POINT
403	103630.8168	111387.7414	93.64	Set RBR/RPC[USKH]: CONTROL POINT
412	102359.6179	107264.0931	87.65	Set Magnetic Nail: CONTROL POINT
413	102511.3469	107346.5728	87.07	Set Magnetic Nail: CONTROL POINT
414	102335.7433	106263.8518	89.92	Set Magnetic Nail: CONTROL POINT
415	102426.0372	106062.8994	92.73	Set Magnetic Nail: CONTROL POINT
419	103740.2330	111600.0458	94.14	Set Magnetic Nail: CONTROL POINT
420	103724.0510	111216.8147	95.73	Set Magnetic Nail: CONTROL POINT

SET VERTICAL CONTROL THIS PAGE				
Point #	Northing	Easting	Elevation	Description
601	86486	110952	38.61	Set TBM: Marked X on Top of Base of Light Pole
602	86531	111256	45.49	Set TBM: Marked X on Top of Base of Light Pole
611	102280	106060	89.92	Set TBM: Marked X on Top of Base of Light Pole
612	102435	106143	92.94	Set TBM: Marked X on Top of Base of Light Pole
613	102480	107316	87.29	Set TBM: Marked X on Top of Base of Light Pole
614	102392	107347	87.26	Set TBM: Marked X on Top of Base of Light Pole
615	103680	111362	96.48	Set TBM: Marked X on Top of Base of Light Pole
616	103839	111457	95.23	Set TBM: Marked X on Top of Base of Light Pole

FOUND PROPERTY CORNERS THIS PAGE			
Point #	Northing	Easting	Description
701	86798.4741	111140.4711	Found RBR: E ROW Bridge Access Road
702	86664.0537	111172.0496	Found Concrete ROW Mon: N ROW K-Beach E ROW Bridge Access
703	86406.4911	111764.2117	Found Concrete ROW Mon: N ROW K-Beach Rd
705	86138.9133	111122.2755	Found Magnetic Nail: W Cor Tr A Aquaculture Subd
706	86229.3768	111671.2139	Found Concrete ROW Mon: S ROW K-Beach Rd
707	86289.9993	110188.0904	Found Concrete ROW Mon: S ROW K-Beach Rd
708	86475.6103	110113.8067	Found Concrete ROW Mon: N ROW K-Beach Rd
720	102438.3828	107806.6026	Found AC/Bx[610-S]: CL Kenai Spur Hwy
721	102413.5995	106470.2480	Found AC/Bx[610-S]: CL Kenai Spur Hwy at Marathon
722	102877.6140	107756.7987	Found RBR/AC[5152-S]: NE Cor Lot 4 Baron Park 2008 Replat
723	102481.4947	106079.4413	Found AC/Bx[DOT]: S32[S33/S5]S4 *T6N/T5N R11W SM
724	102074.0240	106106.6760	Found AC/Bx[DOT]: PC Walker Lane
725	102054.3705	105547.9269	Found AC/Bx[DOT]: PT Kenai Spur Hwy
727	104619.9964	111430.2263	Found AC/Bx[266]: 1/4 S33[S34 *T6N R11W SM
728	103298.4354	111408.9010	Found AC/Bx[DOT]: S 1/16 S33[S34 *T6N/T5N R11W SM
729	103801.9590	111531.4623	Found AC/Bx[DOT]: PT Kenai Spur Hwy
730	103322.8277	110321.8148	Found AC/Bx[DOT]: POT Kenai Spur Hwy

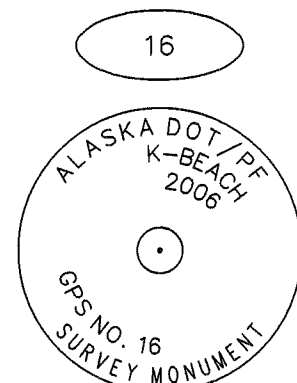


**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SURVEY CONTROL DIAGRAM**

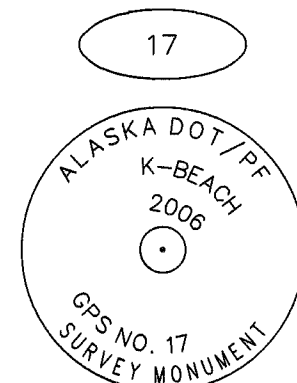
Record Of Survey
CENTRAL REGION FLASHING YELLOW ARROW
INTELLIGENT TRANSPORT SYSTEMS - KENAI AREA
AKSAS 54474
Located Within T05N R11W, Secs 4-6, 15-16, and 20-22;
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DRAWN	EFG/BCS/BVS	DATE	05/14/2014	SCALE	1" = 200'
CHECKED	BCS	DATE	05/14/2014	SHEET	3 OF 4

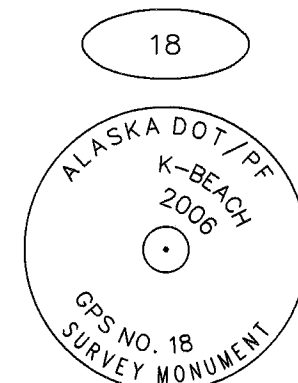
Kenai 2014-31



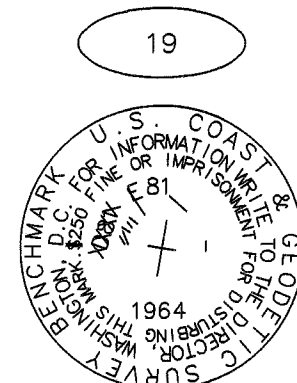
Fnd 2-1/2" Brass Logo Cap
On a 9/16" Stainless Steel Rod



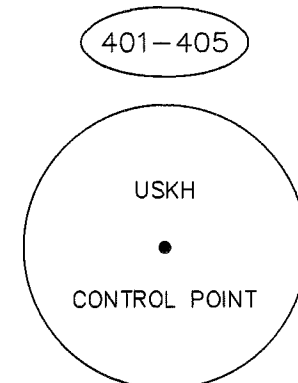
Fnd 2-1/2" Brass Logo Cap
On a 9/16" Stainless Steel Rod



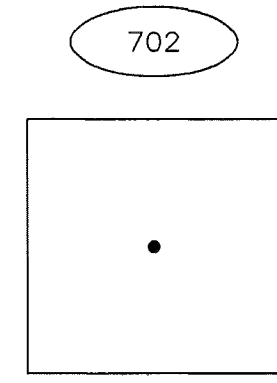
Fnd 2-1/2" Brass Logo Cap
On a 9/16" Stainless Steel Rod



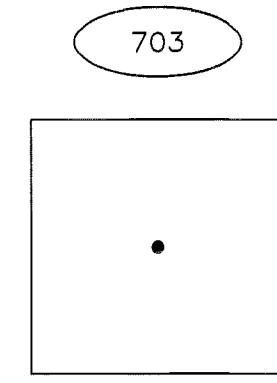
Fnd U.S.C. & G.S. Brass Disk
On a Steel Rod
Inside Cast-Iron Pipe



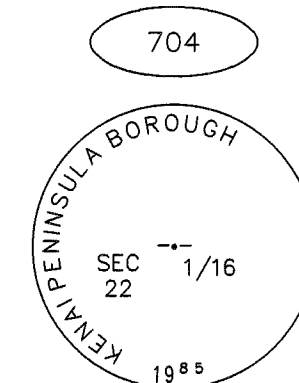
Set 1-1/4" Red Plastic Cap
On 5/8" x 30" Rebar
0.2' Below Ground (Typical)



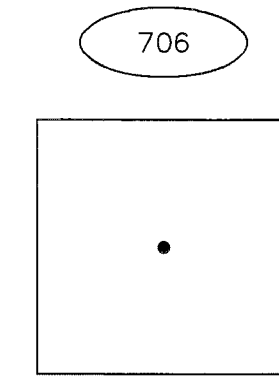
Fnd Concrete 6" x 6" R.O.W.
Monument with Metal Tack in Center
0.6' Above Grade
Good Condition



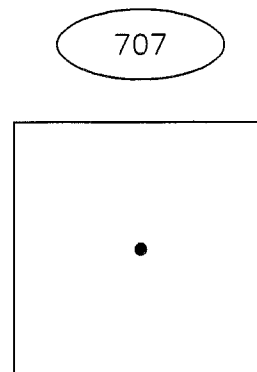
Fnd Concrete 6" x 6" R.O.W.
Monument with Metal Tack in Center
1.0' Above Grade
Good Condition



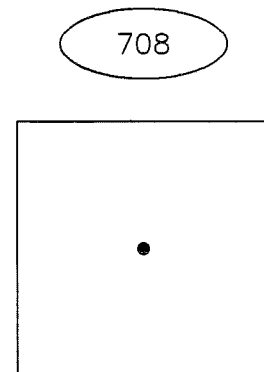
Fnd 3-1/4" Aluminum Cap
0.4' Above Grade
Good Condition



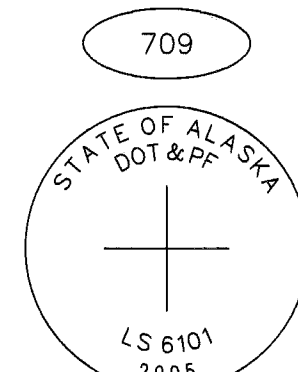
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Monument with Metal Tack in Center
0.8' Above Grade
Good Condition



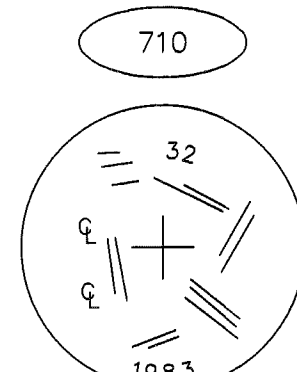
Fnd Concrete 6" x 6" R.O.W.
Monument with Metal Tack in Center
0.6' Above Grade
Good Condition



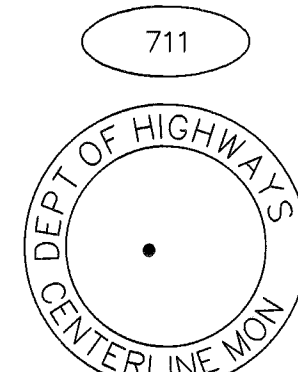
Fnd Concrete 6" x 6" R.O.W.
Monument with Metal Tack in Center
0.7' Above Grade
Good Condition



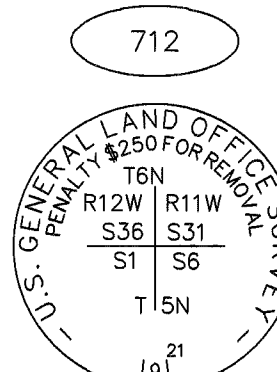
Fnd 2" Aluminum Cap In Asphalt
Flush with Pavement
Good Condition



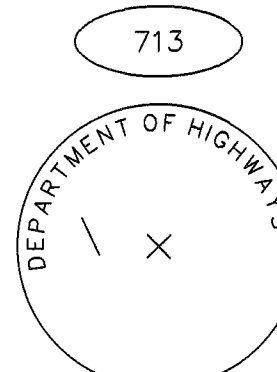
Fnd 2" Aluminum Cap In Asphalt
Flush with Pavement
Good Condition



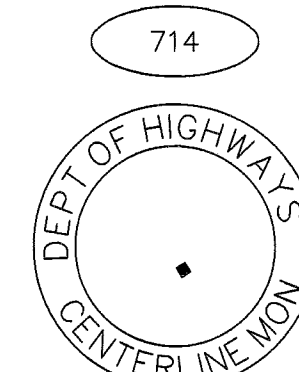
Fnd 2-1/2" Brass Cap In Box
0.3' Below Pavement
Good Condition



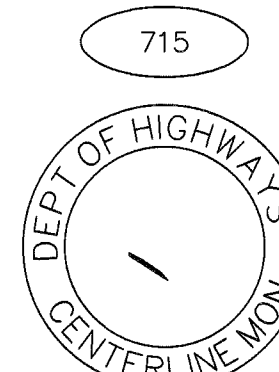
Fnd 3-1/4" Brass Cap
0.7' Above Grade
Good Condition



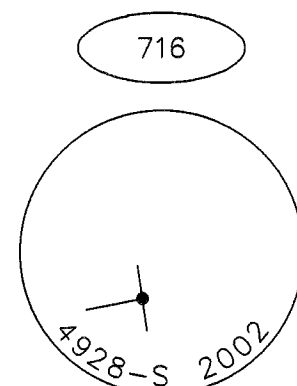
Fnd 2-1/2" Brass Cap In Box
0.4' Below Pavement
Good Condition



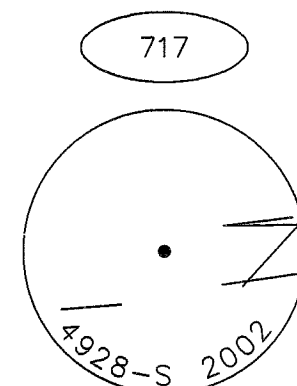
Fnd 2-1/2" Brass Cap In Box
0.3' Below Pavement
Good Condition



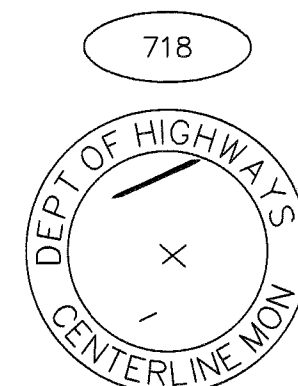
Fnd 2-1/2" Brass Cap In Box
0.4' Below Pavement
Good Condition



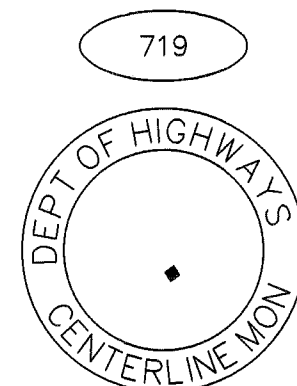
Fnd 2-1/2" Aluminum Cap In
Monument Box
Good Condition



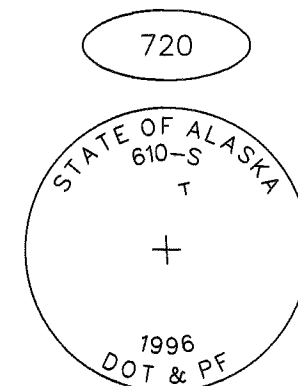
Fnd 2-1/2" Aluminum Cap In
Monument Box
Good Condition



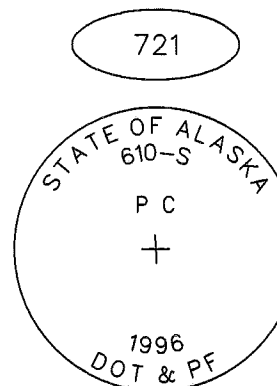
Fnd 2-1/2" Brass Cap In Box
0.5' Below Pavement
Good Condition



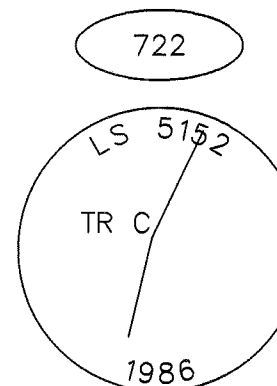
Fnd 2-1/2" Brass Cap In Box
0.3' Below Pavement
Good Condition



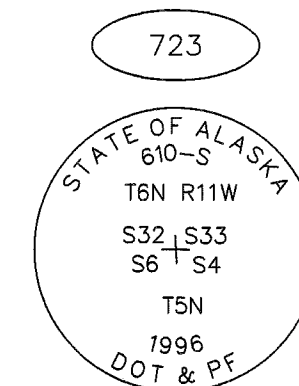
Fnd 2-1/2" Aluminum Cap
0.25' Below Grade
Good Condition



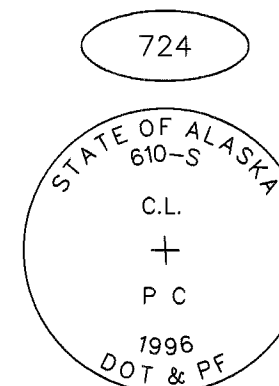
Fnd 2-1/2" Aluminum Cap
0.25' Below Grade
Good Condition



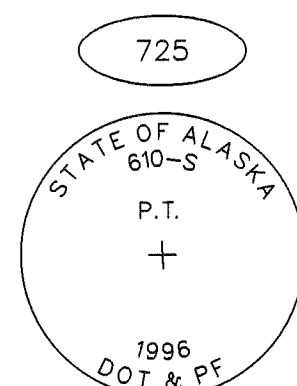
Fnd 2-1/2" Aluminum Cap
0.4' Above Grade
Good Condition



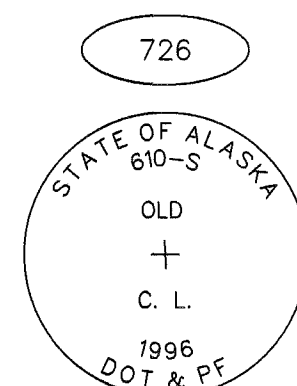
Fnd 2-1/2" Aluminum Cap
0.2' Below Grade
Good Condition



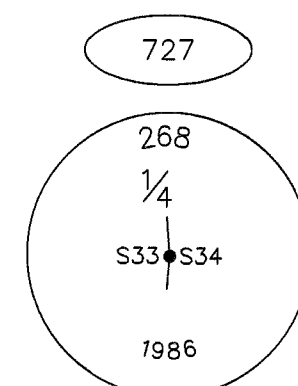
Fnd 2-1/2" Aluminum Cap
0.25' Below Grade
Good Condition



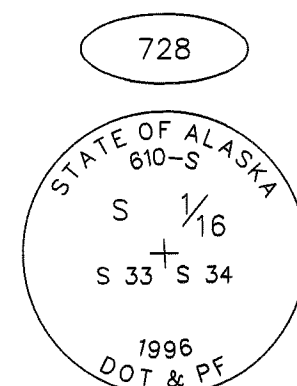
Fnd 2-1/2" Aluminum Cap
0.3' Below Grade
Good Condition



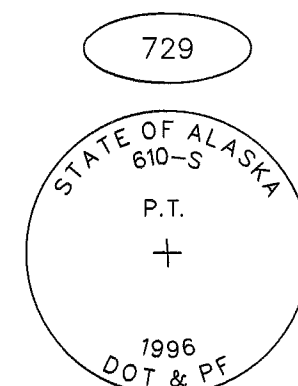
Fnd 2-1/2" Aluminum Cap
0.4' Below Grade
Good Condition



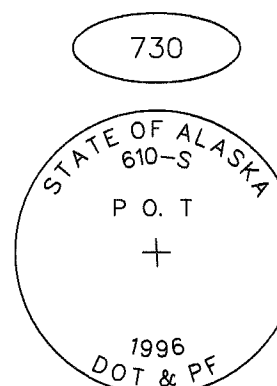
Fnd 2-1/2" Aluminum Cap
In Monument Box
0.8' Below Grade
1/2" Rebar Alongside
Fair Condition



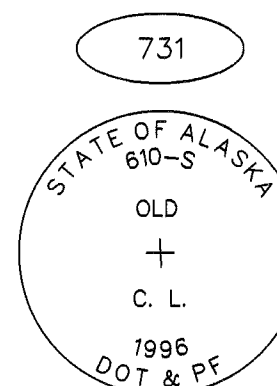
Fnd 2-1/2" Aluminum Cap
0.3' Below Grade
Good Condition



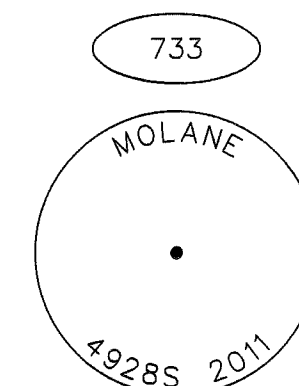
Fnd 2-1/2" Aluminum Cap
0.3' Below Grade
Good Condition



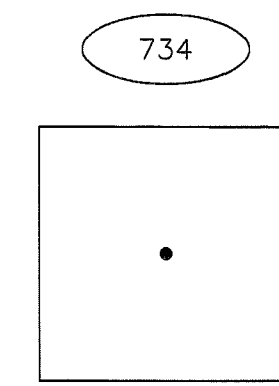
Fnd 2-1/2" Aluminum Cap
0.3' Below Grade
Good Condition



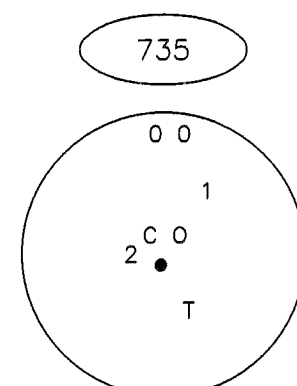
Fnd 2-1/2" Aluminum Cap
0.2' Below Grade
Good Condition



Fnd 2-1/2" Aluminum Cap
0.2' Below Grade
Good Condition

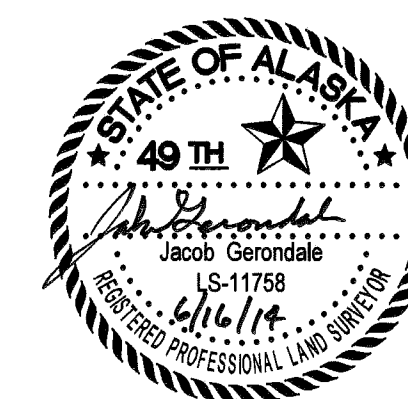


Fnd Concrete 6" x 6" R.O.W.
Monument with Metal Tack in Center
1.4' Above Grade
Good Condition



Fnd 1-1/2" Aluminum Cap
0.5' Below Grade
Good Condition

2014-31
Kenai
DATE 07/20/2014
TIME 10:38AM



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SURVEY CONTROL DIAGRAM Record Of Survey CENTRAL REGION FLASHING YELLOW ARROW INTELLIGENT TRANSPORT SYSTEMS - KENAI AREA AKSAS 54474 Located Within T05N R11W, Secs 4-S, 15-16, and 20-22; T05N R12W, Sec 1; T06N R11W, Secs 31-34; and T06N R12W, Sec 36, Seward Meridian			
DRAWN	EFG/BCS/BVS	DATE	05/14/2014
CHECKED	BCS	DATE	05/14/2014
SCALE	N/A	SHEET	4 OF 4