

HORIZONTAL CONTROL STATEMENT

Coordinate System:
This project is located entirely within the Anchorage Bowl 2000 adjustment, a local surface grid coordinate system expressed in U.S. Survey feet units developed by the Alaska Department of Transportation.

Basis of Coordinates:
The Basis of Coordinates is NGS Station O'Malley, located near the intersection of the New Seward Highway and O'Malley Road. Said station has Anchorage Bowl 2000 coordinates of 303939.2310 N, 353362.5446 E. U.S. Survey Feet.

Basis of Bearings:
The Basis of Bearings is a local plane bearing between NGS Station O'Malley and NGS Station Loop 2 USE RM 3 1964. NGS Station Loop 2 USE RM 3 1964 bears N 01°43'26.4"E a distance of 49488.4476 feet from NGS Station O'Malley. NGS Station Loop 2 USE RM 3 1964 has Anchorage Bowl 2000 coordinates of 353405.2778 N, 354851.3982 E. U.S. Survey Feet.

Translation Parameters:
To convert the local coordinates to NAD83 (92) State Plane coordinates expressed in U.S. Survey Feet, translate using +2296868.6878 N usf, +1312517.4904 E usf, and scale using 0.9998910192.

VERTICAL CONTROL STATEMENT

Elevations are based upon the Municipality of Anchorage (MOA) vertical control network. The datum is Mean Sea Level (MSL) GAAB 1972 Adjustment and the unit of measure is U.S. Survey Feet. The MOA benchmark "GAAB 33" (604) was held fixed at 124.25'.

PROJECT NOTES

- The information shown hereon is based on a field survey performed by Stantec Consulting Inc. on April 25-May 11, 2016.
- This is not a boundary survey. Property information and right-of-way lines shown hereon have been compiled from right-of-way drawing files provided by DOT&PF, and are for reference only. This drawing was prepared without the benefit of a title commitment and may not show easements and other encumbrances.
- All dimensions, coordinates, and elevations shown are in U.S. Survey Feet unless otherwise noted.
- Horizontal control points shown on this sheet were surveyed using networked static GPS techniques. GPS measurements were performed using Trimble R6-3 and R8-2 GNSS receivers and processed using Trimble Business Center v3.70 office software. Third-order differential leveling was performed using a Trimble Dini digital level.
- Published coordinates from Record of Survey for Project No. NH-0532(4)/AKSAS 59599 (Plat No. 2007-43) were used to control project horizontally. Published elevations from Record of Survey for AKSAS 52503 (Plat No. 2013-109) for VBM #604 and TBM #617 were used to control project vertically.

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.

Jeremy A. Hurst LS-11796 Date 4/13/17

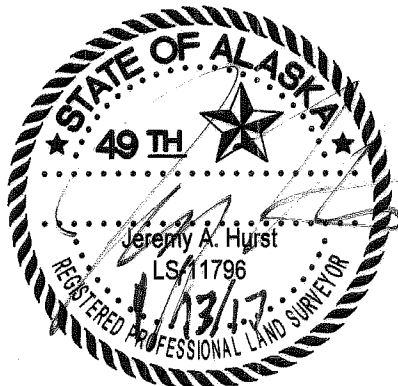
PREPARED BY:

STANTEC CONSULTING SERVICES, INC. TELEPHONE: 907-276-4245
725 EAST FIREWEED LANE, SUITE 200 CERTIFICATE OF AUTHORIZATION
ANCHORAGE, AK 99503-2245 # 126386

LEGEND

- | | | | |
|-----|-------------------------------|--|---------------------------|
| ### | POINT NUMBER IDENTIFIER | | PRIMARY GPS CONTROL POINT |
| ⊕ | PRIMARY PROPERTY MONUMENT | | SURVEY CONTROL STATION |
| ○ | MISCELLANEOUS PROPERTY CORNER | | VERTICAL BENCH MARK |
| --- | PARCEL/TRACT LINE | | TEMPORARY BENCH MARK |

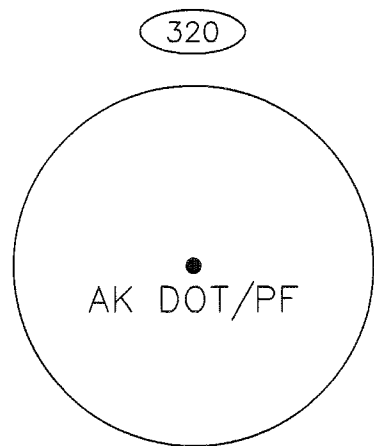
Anchorage Recording District
State Business - No Fee
This survey does not constitute a subdivision
as defined by AS 40.15.900(5)



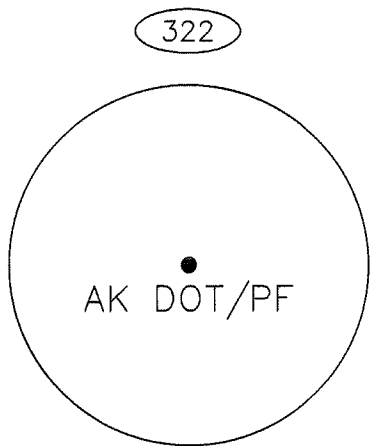
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
RECORD OF SURVEY
DOWLING ROAD: OLD SEWARD HIGHWAY
TO LAKE OTIS PARKWAY
PAVEMENT PRESERVATION
PROJECT NO. CSHWY00075
WITHIN SECS. 4, 5, & 6, T12N, R3W,
AND SECS. 31, 32, & 33, T13N, R3W, S.M.

DRAWN	EFG	DATE	01/13/2017	SCALE	1" = 100'
CHECKED	JAH	DATE	01/13/2017	SHEET	1 OF 2

Anchorage Recording District / Plat 2017-3



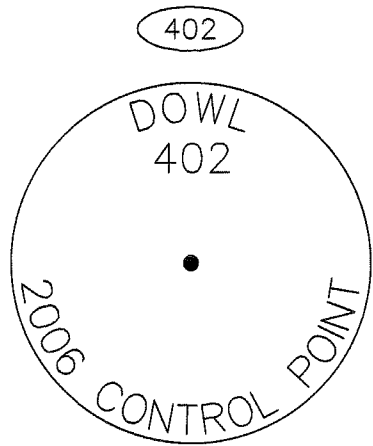
Found 1-1/4" Orange Plastic Cap
In Asphalt, At Grade
Good Condition



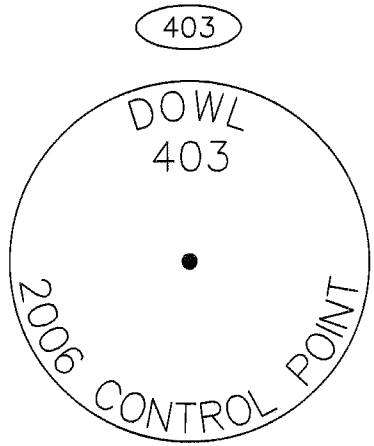
Found 1-1/4" Orange Plastic Cap
In Asphalt, At Grade
Good Condition



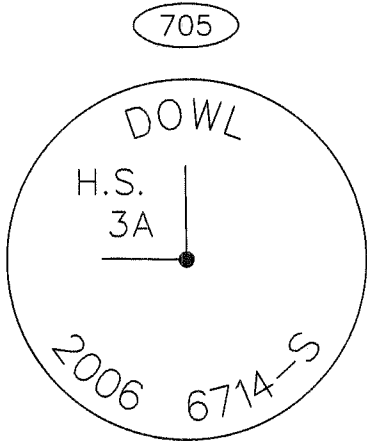
Found Magnetic Nail
In Asphalt, At Grade
Good Condition



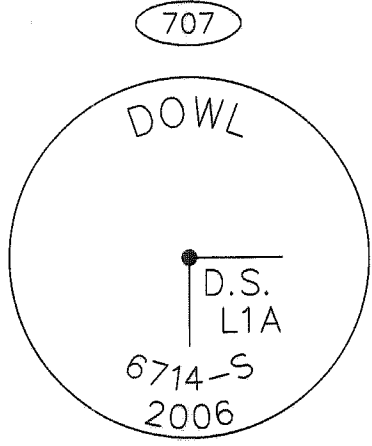
Found 1-1/2" Aluminum Cap
0.1' Below Grade
Good Condition



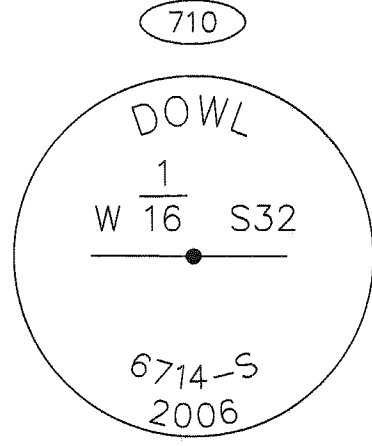
Found 1-1/2" Aluminum Cap
0.3' Below Grade
Good Condition



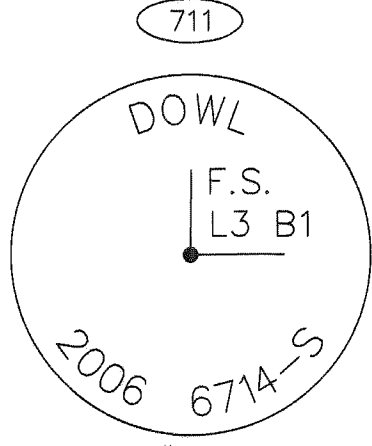
Found 2" Aluminum Cap
In Asphalt, At Grade
Good Condition



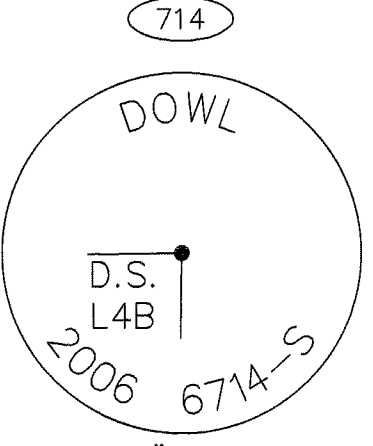
Found 2" Aluminum Cap
0.4' Below Grade
Good Condition



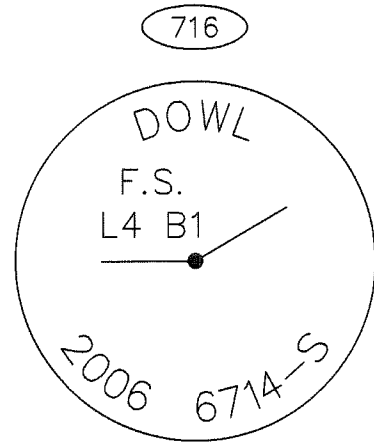
Found 3" Aluminum Cap
In Monument Case
0.6' Below Grade
Good Condition



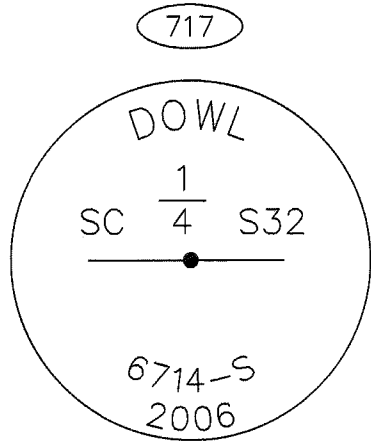
Found 2" Brass Cap
In Concrete, At Grade
Good Condition



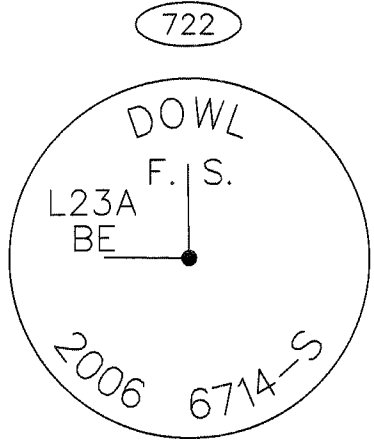
Found 2" Brass Cap
In Concrete, At Grade
Good Condition



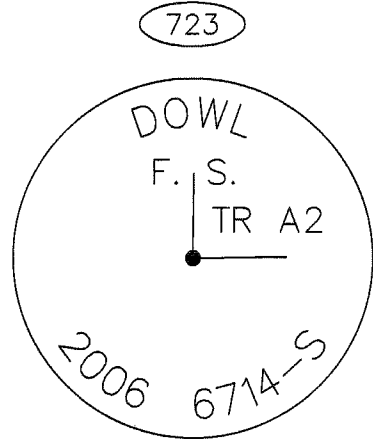
Found 2" Aluminum Cap
0.1' Below Grade
Good Condition



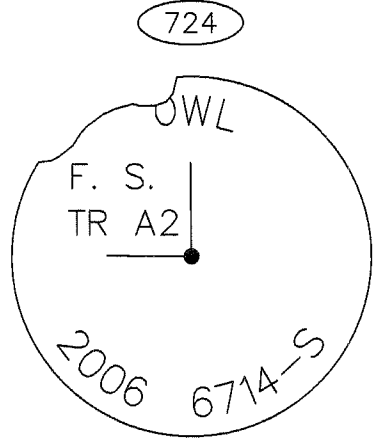
Found 2" Aluminum Cap
0.3' Below Grade
Good Condition



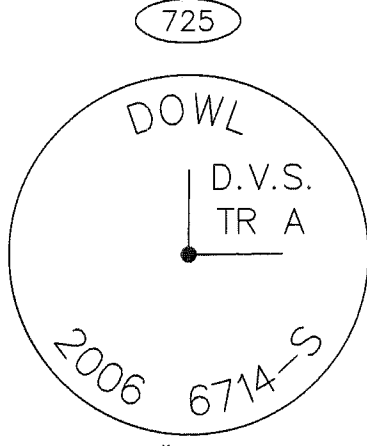
Found 2" Brass Cap
In Concrete, At Grade
Good Condition



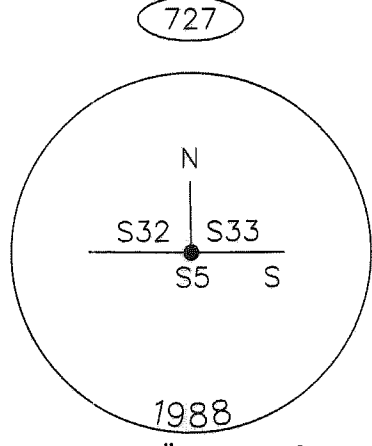
Found 2" Brass Cap
In Concrete, At Grade
Good Condition



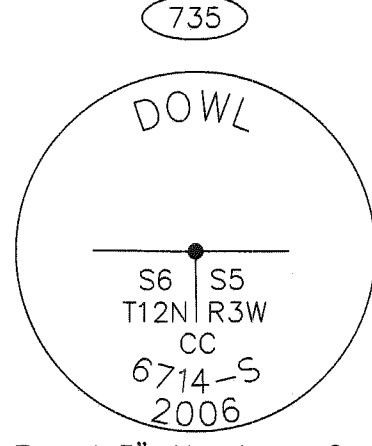
Found 2" Aluminum Cap
In Asphalt, At Grade
Good Condition



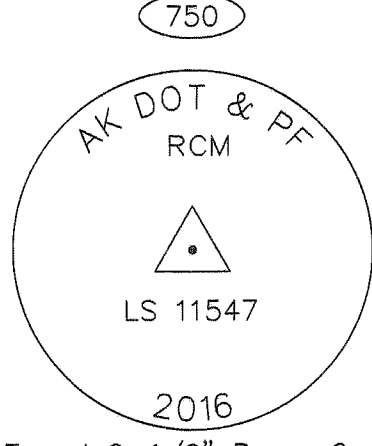
Found 2" Brass Cap
In Concrete, At Grade
Good Condition



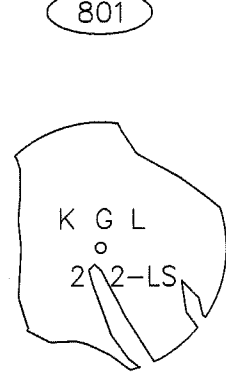
Found 2" Brass Cap
In Monument Case
0.7' Below Grade
Good Condition
(Heavily Scratched)



Found 3" Aluminum Cap
In Monument Case
0.6' Below Grade
Good Condition



Found 2-1/2" Brass Cap
In Concrete At Grade
Good Condition



Found 1-1/4" Plastic Cap
on Rebar, At Grade
Cap Mangled
Fair Condition

Recovered Monuments			
Point #	Northing	Easting	Description
704	321721.8356	351600.9129	Fnd Rbr: SE L2A HILLER SUBD.
705	321721.9517	351703.4931	Fnd AC[6714-S]: SE L3A HILLER SUBD.
706	321623.9604	352071.1646	Fnd Rbr/PC: NE TR-1 WESTFORK SUBD.
707	321623.8879	352100.9185	Fnd AC[6714-S]: NW L1A DOWLING SUBD.
710	321675.8373	352704.3336	Fnd AC/Bx[6714-S]: SW 1/16 S32 *T13N R3W SM
711	321724.9107	352733.1443	Fnd BC[6714-S]: SW L3 81 FYFE SUBD.
714	321626.2075	352951.9476	Fnd BC[6714-S]: NE L4B DOWLING SUBD
716	321724.9668	353113.5900	Fnd AC[6714-S]: SE L4 81 FYFE SUBD.
717	321679.5154	354025.7650	Fnd AC[6714-S]: SC 1/4 S32 *T13N R3W SM
722	321731.1118	354625.5591	Fnd BC[6714-S]: SE L23A 8-E FYFE SUBD.
723	321729.1453	354985.7877	Fnd BC[6714-S]: SW TR-A2 FYFE SUBD.
724	321730.7191	355313.8642	Fnd AC[6714-S]: SE TR-A2 FYFE SUBD.
725	321734.1744	355633.7605	Fnd BC[6714-S]: SW TR-A DOWLING VILLAGE SUBD.
727	321687.0043	356662.5134	Fnd AC/Bx:S32 S33 *T13N R3W SM
735	321673.9744	352070.8749	Fnd AC/Bx[6714-S]: CC S5/S6 *T12N R3W SM
801	321623.0152	356450.4981	Fnd Rbr/YPC: NW L2 FROEMGEN SUBD

Recovered Horizontal Control Points			
Point #	Northing	Easting	Description
320	321647.8974	355092.4443	Fnd Rbr/PC[DOT]: TS 320
322	321644.7845	352192.0509	Fnd Rbr/PC[DOT]: TS 322
401	321630.5841	352803.4857	Fnd Survey Mark
402	321652.0847	354277.9315	Fnd AC[DOWL]: Control Point
403	321663.7920	355833.0564	Fnd AC[DOWL]: Control Point
750	321742.9993	351353.5674	Fnd BC[LS 11547]: RCM 4

Recovered Vertical Control Points				
Point #	Northing	Easting	Elevation	Description
604	321880	351161	124.25	Fnd Bolt/Bldg Foundation: GAAB 33
617	321738	353979	140.78	Fnd Cut X on South Bolt of Fire Hydrant Flange: SEW2-38

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

2017-3

Plat #	Anchorage
Rec Dist	1-23 2017
Date	
Time	12:21 P.M.



PREPARED BY:
STANTEC CONSULTING SERVICES, INC. TELEPHONE: 907-276-4245
725 EAST FIREWEED LANE, SUITE 200 CERTIFICATE OF AUTHORIZATION
ANCHORAGE, AK 99503-2245 # 126386

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
RECORD OF SURVEY
DOWLING ROAD: OLD SEWARD HIGHWAY
TO LAKE OTIS PARKWAY
PAVEMENT PRESERVATION
PROJECT NO. CSHWY00075
WITHIN SECS. 4, 5, & 6, T12N, R3W,
AND SECS. 31, 32, & 33, T13N, R3W, S.M.

DRAWN	EFG	DATE	01/13/2017	SCALE	N/A
CHECKED	JAH	DATE	01/13/2017	SHEET	2 OF 2