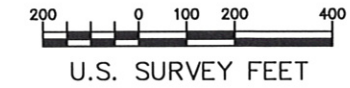


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	53454	2011	A4	A4



#### Legend

- Control Point
- Vertical Benchmark
- Temporary Benchmark
- BLM/GLO Monument
- Primary CL Monument
- Primary Monument
- Property Corner

HORIZONTAL & VERTICAL CONTROL						
Point	Station	Offset	Northing	Easting	Elevation	Description
7	10+89.14	130.87 Rt.	321622.5594	348181.3250	111.66	Set Rbr/PC [DOT]: CP7
602	13+43	772 Rt.	320958	348370	113.98	BM GAAB 45
6	14+23.07	98.75 Rt.	321619.4837	348518.8410	107.19	Set Rbr/PC [DOT]: CP6
5	18+48.40	45.25 Rt.	321639.7162	348950.9500	107.04	Set Rbr/PC [DOT]: CP5
8	19+72.86	230.79 Lt.	321911.6305	349082.3376	115.67	Set Rbr/PC [DOT]: CP8
1290	21+60.44	87.13 Lt.	321766.5180	349264.5766		Fd Rbr/AC[7843]: S.L. Potter/Franklin
4	23+93.30	37.05 Rt.	321647.1106	349498.7364	108.39	Set Rbr/PC [DOT]: CP4
3	32+85.29	35.31 Rt.	321651.2152	350387.9863	103.14	Set Rbr/PC [DOT]: CP3
2	36+31.91	14.51 Lt.	321690.4859	350735.8733	111.58	Set Rbr/PC [DOT]: CP2
601	40+71	161 Lt.	321836	351175	124.25	BM GAAB 33

#### 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

MOA/GAAB72, as determined by level loops performed by ASCG between several MOA/GAAB bench marks surrounding the project area, including:

BM GAAB 45, a brass disk set vertically in the south face of the foundation of a building located at 299 West 64th Avenue, has an elevation of 113.98 Feet.

BM GAAB 33, a brass disk set vertically in the south face of the Sears Warehouse building at Old Seward and Dowling, has an elevation of 124.25 Feet.

#### NOTES:

- 1) Project control coordinates shown on this sheet were established by using least-squares adjusted, conventional closed-traverse and Static GPS techniques.
- 2) All dimensions and coordinates shown are in U.S. Survey Feet unless otherwise noted.
- 3) This survey was completed between Oct 2008 and May 2009.
- 4) Elevations shown for Horizontal Control Points are to be field verified before their use.
- 5) Monument symbols shown without point numbers are to aid the contractor in locating property corners within construction limits. These monuments should be left undisturbed if possible.

Whether listed or not, ALL monuments or property markers, corners, or accessories, which will be disturbed or buried, shall be referenced and re-established in their original position (A.S. 19.10.260) and recorded (A.S. 34.65.040).

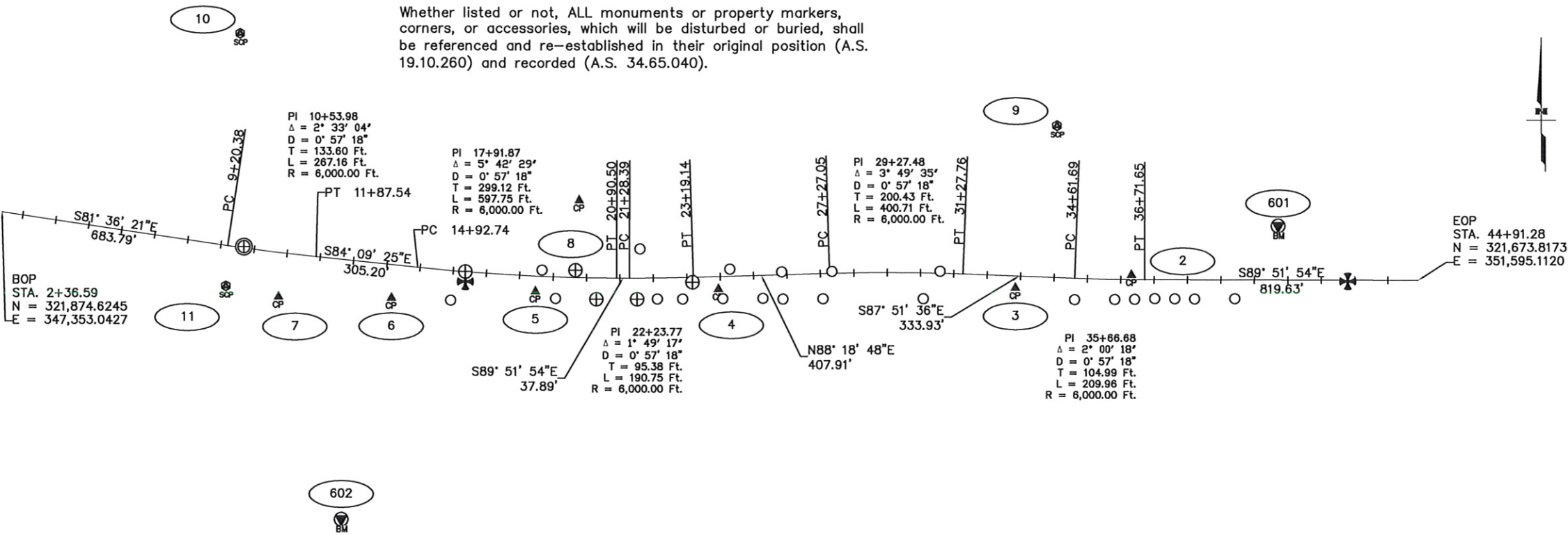


STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
Survey Control Sheet  
CORDOVA STREET  
EXTENSION

DRAWN	RMK	DATE	Sept 27, 2011	SCALE	1" = 100'
CHECKED	APB	DATE	Sept 27, 2011	SHEET	1 OF 1



STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0532(007)/50898	2011	A4	A5



- Legend
- Primary Control Point
  - Secondary Control Point
  - Vertical Benchmark
  - Temporary Benchmark
  - BLM/GLO Monument
  - Primary CL Monument
  - Primary Monument
  - Property Corner

HORIZONTAL CONTROL						
Point	Station	Offset	Northing	Easting	Elevation	Description
2	36+31.91	14.51 Lt.	321690.4859	350735.8733	111.58	Set Rbr/PC [DOT]: CP2
3	32+85.29	35.31 Rt.	321651.2152	350387.9863	103.14	Set Rbr/PC [DOT]: CP3
4	23+93.30	37.05 Rt.	321647.1106	349498.7364	108.39	Set Rbr/PC [DOT]: CP4
5	18+48.40	45.25 Rt.	321639.7162	348950.9500	107.04	Set Rbr/PC [DOT]: CP5
6	14+23.07	98.75 Rt.	321619.4837	348518.8410	107.19	Set Rbr/PC [DOT]: CP6
7	10+89.14	130.87 Rt.	321622.5594	348181.3250	111.66	Set Rbr/PC [DOT]: CP7
8	19+72.86	230.79 Lt.	321911.6305	349082.3376	115.67	Set Rbr/PC [DOT]: CP8
9	33+91.85	453.30 Lt.	322135.5051	350512.7156	103.27	Set Magnall: CP9
10	8+62.42	633.31 Lt.	322409.7897	348064.6169	113.62	Set Magnall: CP10
11	9+31.57	119.67 Rt.	321654.7627	348023.3295	112.22	Set Magnall: CP11
12	9+44.27	1246.67 Lt.	323005.3916	348230.2264	120.12	Set Magnall: CP12
13	4+45.62	1318.58 Lt.	323148.5644	347752.3232	123.47	Set Magnall: CP13
14	7+01.30	1717.01 Lt.	323505.3988	348063.4288	121.20	Set Magnall: CP14

VERTICAL CONTROL						
Point	Station	Offset	Northing	Easting	Elevation	Description
602	13+42.70	772 Rt.	320958	348370	113.98	GAAB 45
601	40+70.77	161 Lt.	321836	351175	124.25	GAAB 33

- NOTES:
- See Sheet 2 for Found Monumentation Tables.
  - Project control coordinates shown on this sheet were established by using least-squares adjusted, conventional closed-traverse and Static GPS techniques.
  - All dimensions and coordinates shown are in U.S. Survey Feet unless otherwise noted.
  - This survey was completed between Oct 2008 and May 2009.
  - Elevations shown for Horizontal Control Points are to be field verified before their use.
  - Monument symbols shown without point numbers are to aid the contractor in locating property corners within construction limits. These monuments should be left undisturbed if possible.

HORIZONTAL CONTROL STATEMENT

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STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES  
Survey Control Sheet  
WEST DOWLING ROAD PHASE I  
OLD SEWARD HIGHWAY  
TO C STREET

DRAWN	RMK	DATE	Sept 23, 2011	SCALE	1" = 200'
CHECKED	APB	DATE	Sept 23, 2011	SHEET	1 OF 2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-0532(007)/50898	2011	A5	A5

Whether listed or not, ALL monuments or property markers, corners, or accessories, which will be disturbed or buried, shall be referenced and re-established in their original position (A.S. 19.10.260) and recorded (A.S. 34.65.040).

FOUND MONUMENTATION					
Point	Station	Offset	Northing	Easting	Description
1006	27+05.36	74.88Rt.	321618.4806	349811.7683	Fd Rbr/PC[5202]: NE L71NW L5A B1 Aurora Subd Addition No. 2
1007	25+25.93	68.49Rt.	321619.5901	349632.2331	Fd PC[LS9284]: NE L10AINW L9 B1 Aurora Subd Addition No. 2
1008	25+84.11	8.87Lt.	321698.6267	349688.1051	Fd Rbr/PC[1564S]: SE L19ISW L20 B3 Hanson Acres
1024	39+41.61	56.00Rt.	321619.1146	351045.3176	Fd Rbr: NE L41NW L3 B1 Aurora Subd
1025	38+21.59	56.93Rt.	321618.4691	350925.2868	Fd Rbr: NE L61NW L5 B1 Aurora Subd
1026	37+01.88	56.08Rt.	321619.5957	350805.5825	Fd Rbr: NE L81NW L7 B1 Aurora Subd
1027	34+63.47	63.63Rt.	321616.2596	350565.0007	Fd Rbr: NE L3A1NW L2 B7 Aurora Subd
1030	23+16.57	14.53Rt.	321667.3639	349421.3650	Fd AM: N1/4 S6 xT12N R4W SM
1032	24+05.84	66.15Rt.	321618.3959	349512.1267	Fd Rbr/PC: NE L121NE L10A B1 Aurora Subd Addition No. 2
1039	30+58.53	6.08Lt.	321700.6438	350162.8406	Fd IP: SE Parcel No.3
1042	42+79.87	3.57Rt.	321670.7496	351383.6986	Fd AC/BX: SC S311S32 xT13N R3W SM
1043	16+38.79	29.14Rt.	321668.4785	348741.3934	Fd AM/BX[DOT]: Std 1/4 S31 xT13N R3W SM
1044	16+36.35	0.76Lt.	321698.4782	348741.2876	Fd BC[DOWL]: 30' RM Std 1/4 S31 xT13N R3W SM
1051	15+99.53	88.12Rt.	321612.8951	348697.1174	Fd Rbr: NE L1E1NW L1D B2 C Street Industrial Subd
1052	22+11.48	62.45Rt.	321617.3121	349316.5940	Fd Rbr: NW L1A1NE L1B B1 C Street Industrial Subd

FOUND MONUMENTATION					
Point	Station	Offset	Northing	Easting	Description
1053	22+85.94	63.75Rt.	321617.3439	349391.8511	Fd Rbr: NE L1A1 B1 C Street Industrial Subd
1056	20+30.24	63.52Rt.	321616.3960	349133.8595	Fd AM: NE L1E11NW L1D B1 C Street Industrial Subd
1057	21+51.26	62.71Rt.	321616.6610	349255.7560	Fd AM: NE L1C1NW L1B B1 C Street Industrial Subd
1061	24+29.35	21.30Lt.	321706.4939	349533.0526	Fd Rbr: SE L171SW L18 B3 Hanson Acres
1062	37+61.85	56.47Rt.	321619.0636	350865.5530	Fd Rbr: NE L71NW L6 B1 Aurora Subd
1063	36+41.81	58.47Rt.	321617.4194	350745.2142	Fd Rbr: NW L8 B1 Aurora Subd
1069	25+85.53	72.39Rt.	321617.4492	349691.9223	Fd Rbr: NE L91NW L8 B1 Aurora Subd Addition No. 2
1070	27+34.36	5.75Lt.	321699.9293	349838.3970	Fd Rbr: SE L211SW L22 B3 Hanson Acres
1078	19+66.41	21.78Lt.	321702.8206	349071.3288	Fd BC: SE L1B1SW L1A B4 Hanson Acres
1079	18+65.90	18.94Lt.	321703.1318	348971.1180	Fd Rbr: SW L1B B4 Hanson Acres
1080	19+09.30	64.06Rt.	321618.6025	349011.6527	Fd Rbr: N PC L1E1 B1 C Street Industrial Subd
1098	30+09.45	76.81Rt.	321618.8371	350112.2603	Fd IP: NE L3 Aurora Subd Addition No.2
1117	9+68.35	3.83Lt.	321771.7808	348077.5227	Fd AM/Bx[DOT]: C St 9+980.00
1130	35+82.79	59.66Rt.	321616.9599	350685.6018	Fd Rbr: NE L1 B7 Aurora Subd
1290	21+60.44	87.13Lt.	321766.5180	349264.5766	Fd Rbr/AC[7843]: S.L. Potter/Franklin

NOTES:

See Sheet 1 for Project and Control Information.



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES Survey Control Sheet WEST DOWLING ROAD PHASE I OLD SEWARD HIGHWAY TO C STREET			
DRAWN	RMK	DATE	Sept 23, 2011
CHECKED	APB	DATE	Sept 23, 2011
SCALE		1" = 200'	
SHEET		2	OF 2