

CURRICULUM VITAE

Elizabeth Lajato Merto Engle, PE, RLS (Retired)

Educational Background:

1964-2008 Attended numerous employer paid training courses throughout my 44 year professional career. Courses included week long computer programming in Bremerton, WA, scheduling and project contract management in San Diego, CA, Oil related project management in Houston, TX and numerous on the job safety courses.

1964-65	Mapua Institute of Technology, Manila, Philippines, BS Sanitary Engineering '65
1959-63	Silliman University, Dumaguete City, Philippines, BS Civil Engineering '63
1954-58	Silliman University, Dumaguete City, Philippines, High School '58

Professional Registrations:*

1973	Professional Land Surveyor, No. 3042-S, Alaska
1969	Professional Engineer, Civil, No. 1867-E, Alaska*
1966	Professional Engineer, Sanitary, No. 245, Philippines
1963	Professional Engineer, Civil, No. 7019, Philippines

These licenses have not been renewed since I retired from engineering practice in 2008.

** First female Engineer registered in the State of Alaska*

Work Experience:

Summary: Forty four years of professional engineering practice both in the public and private sectors with the last forty years (1968-2008) of my professional engineering career taking place in Alaska.

2000-2008 - Alyeska Pipeline Service Co., Inc. (APSC) - Project Manager –

Responsible for the management of multiple assigned major maintenance and new construction projects from inception through project closeout. As Project Manager, played a key role in working with Asset (Owners of the Pipeline) and Project Management (APSC) team resources to develop project scope, budget, schedule, and satisfactory execution strategy for assigned work. Provided oversight of engineering, construction, and other contractors through project phases and was responsible for overall project cost, quality, safety, schedule, and performance.

Exhibited effective interpersonal communication skills, and worked in a team environment and showed independent judgment and creativity to solve complex problems with minimal day-to-day direction. Exhibited strong leadership, planning, performance management and overall project management skills in addition to

demonstrating business acumen and general expertise skills in pipeline operating related disciplines.

For more information regarding APSC and the Trans Alaska Pipeline System please visit the following:

- <http://www.alyeska-pipe.com>
- https://en.wikipedia.org/wiki/Trans-Alaska_Pipeline_System

Since joining the ASPC Projects Team in 2000, some of the most unique, complex, and high-profile projects on the Trans-Alaska Pipeline System (TAPS) were assigned to me. The most challenging and urgent project was the **F550- BP Prudhoe Bay Transit Lines, Pigging Solids TAPS Bypass \$24,000,000** – Please refer to Exhibit No. for the detailed Execution Plan of this project.

Summary: TAPS is owned by five different companies, with British Petroleum (BP), as the major owner and major contributor of the oil that flows into the TAPS. In 2006 the Department of Environmental conservation's inspection discovered leaks on BP's transit line. The line was shutdown, pigging activities and corrosion inspections were ordered.

As a result the State and BP were losing approximately \$30M per day due to the reduction of the throughput by 300,000 barrels per day (1USbbl = 42 gal., 1 gal = 3.49 liters) Federal regulations allow only a certain percent of solids to go through TAPS. It was anticipated that BP's pigging activities would produce large concentrations of solids and therefore cannot be allowed to go through the mainline without removing the solids. It was determined to bypass the Pump Station 01 facility piping and process the solids out of the crude oil first before pumping it into Tank 110.

This project was executed after numerous risk assessments were performed and because of the fast track and emergency nature of the work it was important that the Project Manager assigned to this project had the proven people, project, program and management skills to not adversely impact the Owners of TAPS, State of Alaska, the Regulatory community and the public from an extended project that hinders normal oil transportation in TAPS.

This Project was completed in three months with about 300 people in the field working 24 hours in 12 hour shifts and 50 support staff in the office, with average field temperatures of minus 35 degrees Fahrenheit (minus 37.22 degrees Celsius).

Other selected projects managed while employed by Alyeska Pipeline Service Co., Inc. costing over One Million US Dollars

Pump Station 1 Tank 110 Gate Valve Replacement - \$ 5,389,700

The existing gate valves and associated piping, up to the new valve/spacer location had a high probability of not sealing completely as they were installed when Tank 110 was placed in service 30 yrs ago. The valves were removed, moved 40ft away and replaced with new Grove G9, Class 150 valves with the latest armored coatings/overlays for longer and more dependable corrosion service life. The refurbished valve actuators were also installed as a part of this project.

2007 Tank Inspection and Maintenance- \$ 9,972,000

Steel storage tanks are subject to corrosion, settlement and deterioration with age. Alyeska's storage tanks require maintenance and inspection to ensure their storage integrity. The following tanks were maintained and inspected: Pump Station 5 - Crude tank 150, Pump Station 6 - Diesel Tanks 15, and 25, PS 9 - Diesel tanks 197 and 198, Pump Station 12 - Crude tank 220

2006 Tank Inspection & Maintenance - \$ 5,506,500

Steel storage tanks are subject to corrosion, settlement and deterioration with age. Alyeska's storage tanks require maintenance and inspection to ensure their storage integrity.

Tank 2 Interior Coating - \$ 1,461,300

Federal regulations require steel storage tanks to be inspected and coated to ensure their storage integrity.

2004 TAPS Linewide Tank Inspections - \$9,211,500

Steel storage tanks are subject to corrosion, settlement and deterioration with age. Alyeska's storage tanks require maintenance and inspection to ensure their storage integrity.

2003 TAPS Tank Maintenance - \$11,728.600

The purpose of this project is to perform required maintenance of tanks at the Valdez Marine Terminal, Pump Station 1 and Pump Station PS12. API 653 Inspection, tank bottom patching/replacement, internal & external cathodic protection installations, external coating and other maintenance is included in this program.

Permanent Removal of the following Storage Tanks: \$1,215,000

Pump Station 5 – Tank 157
Pump Station 12- Tanks 227 & 228
Valdez Marine Terminal Tank 80

2008 Corrosion Monitoring - \$ 7,385,400

Linewide corrosion inspection

2008 Above Ground Pipeline & Bridge Inspection - \$6,300,000

Linewide inspection of the Pipeline and all the bridge along the line

1999 – Tanana Chief's Conference – Office of Environmental Health

Spent 9 months as engineer in charge of reviewing Tanana Chief's Conference training program. Please refer to Exhibit No. for supervisor's evaluation.

1978 to 1998 – Alaska Department of Transportation and Public Facilities (AKDOT&PF), Northern Region – (State of Alaska DOT&PF is divided into three Regions: Southeast, Central, and Northern, the later being responsible for the biggest Region of the State). My career with AKDOT&PF dealt extensively with management of contracts with design consultants and construction contractors. Positions held during my 20 year employment with the Alaska DOT&PF, Northern Region included the following:

Director of Design and Construction – Responsible for projects in the Northern Region from planning through construction of over on hundred million dollars annually of highways, airports, and public facilities projects. Supervised a staff of over three hundred fifty professionals and technicians working in environmental, design, right of way, materials and construction positions. Coordinated all projects with other State agencies and the public. Negotiated and resolved project contract claims and personnel contract grievances. As the Director of Design and Construction, I was the contracting officer for all design and construction contracts in the Northern Region.

Three major responsibilities as Director:

- **People management** – responsible for over three hundred fifty employees in the Northern Region involved with project development from programming through construction. Had to ensure that personnel rules and labor contracts for the five different employee unions throughout the Northern Region of DOT&PF were followed in the hiring, promoting, training, resolving grievances and employee counseling. Was also responsible for setting objectives and goals for the Northern region employees of the DOT&PF and worked with the DOT&PF statewide managers in achieving the Department's policies, goals, and objectives.
- **Project Development** – Responsible for creating a transportation plan that would identify and balance the needs of the region through a twenty-year horizon with anticipated funding. Projects included highways, airports for the DOT&PF and facilities for the different State agencies that delegated their capital projects to the DOT&PF. Work included guiding individual projects through the preconstruction: conceptual planning, environmental analyses, preliminary and final design, right-of-ways acquisition, and up to authority to advertise phase.
- **Project Construction** – Responsible for all construction activities in the northern Region. This work focused on being fully knowledgeable of the status of all construction contracts, making timely decisions when unexpected conditions arose in the field and insuring that the Department is well prepared and fairly represented in the resolution of construction contract and labor contract claims.

Design Group Chief – Responsible for many public works projects throughout the Northern Region and supervising Project Managers in developing projects. Duties involved working with State client agencies in developing project scopes and budgets and administration of the project from concept development through design and construction.

Project Manager – Work included extensive use of consultants contracts, preparing “Requests for Proposals”, evaluating proposal submittals, selecting consultants, negotiating and preparing contracts with consultants, reviewing and approving the consultant’s design, preparing bid document, advertising projects for construction, conducting pre-bid conferences, evaluating bid results, recommending or not recommending contract award, monitoring the construction contract up to project completion and accepting the project for the State client agency. Projects included State Pioneer Homes, State Mental Health Facilities, State of Alaska office complexes, National Guard Armories, State Correctional Facilities, Airport Facilities and Highway Maintenance Shops.

Facilities Manager – Responsible for the DOT&PF’s Northern Region Facilities Planning Section. Duties consisted of coordinating and preparing capital improvement programs for the DOT&PF and other State agencies including the Department of Corrections, Military Affairs, Health and Social Services, Administration and the International Airport System.. Negotiated, prepared, and managed contracts with consultants in performing Condition and Inventory Survey Reports for all State facilities in the Northern Region. State legislators use these Condition and Inventory Survey Reports as their basis for selecting and funding capital projects.

Project Name	Cost in Millions	General Comments
American Disabilities Act (ADA) Upgrades of DOT&PF Buildings, Elevator Upgrades, Fairbanks & Nome, Tok Combined Facility	\$ 4.50	
Airport Snow Removal Buildings for the following airports: Allakaket, Anvik, Chitina, Cordova, Elim, Holy Cross, Hustlia, Kivalina, Northway, Point Hope, Sheldon Point, Shismaref, and Valdez	\$ 8.50	
Snow Removal Equipment (SRE) for the following airports: Beaver, Cordova, Kotlik, McCarthy, , Nome, Valdez, Noorvik, Shageluk, Tatitlek, and Northern Region Group 1-9 airports	\$ 8.35	
Cordova Airport Improvements	\$ 4.00	
Deadhorse Airport Combined Facility For the State of Alaska and the Federal Aviation Authority Federal Aviation Authority (FAA) WON FAA'S 1999 FACILITIES NATIONAL AWARD FOR EXCELLENCE	\$ 4.50	Rescue & Fire Fighting Building, Flight Service Station and Living Quarters
Fairbanks international Airport (FIA) Maintenance Facility	\$ 4.40	

FIA Roads & Parking, Terminal Lease Space, Roof Repair, Terminal Improvements, East side Paving, University Ave. Paving & Drainage, and Equipment	\$ 10.30	
Fairbanks Armory & OMS Addition	\$ 5.50	
Fairbanks Youth Facility (FYF) Renovation & Addition	\$ 4.50	
Huslia Airport Mater Plan and Improvements	\$ 5.25	
Kotzebue Airport Combined Facility	\$ 7.50	
McCarthy Airport Improvements	\$ 3.50	
Nome Readiness and OMS	\$ 8.50	
Stevens Airport Runway Relocation	\$ 5.00	
Valdez Airport Runway Improvements , Rescue & Fire Fighting Building and Equipment	\$ 3.90	
Western District Facilities Energy & Code Upgrades	\$ 1.20	

Project Planner – Responsible for various planning projects including preparing land use plans within the City of Fairbanks and the Fairbanks North Star Borough as a basis for transportation planning purposes, Fairbanks Airport Terminal expansion and Fairbanks Airport Hydrant Refueling system.

Selected Projects over a Million in cost managed during my last 5 years of employment with the Alaska Department of Transportation & Public Facilities, Northern Region:

1964 to 1977 Structural and Sanitary Engineer- Responsible for the structural design and construction management of several projects ranging from small sanitary engineering projects to complex buildings in the Philippines, Washington D.C. and Alaska. Examples include an 8-storey multi use building in Manila, a sanitary sewer system in Washington D.C., expansion of the Fairbanks International Airport Terminal building and the AKDOT&PF Office Complex on Peger Road, Fairbanks. Held engineering positions with various consulting firms and Governmental agencies; namely the following:

Gray, Rogers, Myers & Morgan (Fairbanks, Alaska) – Responsibilities including developing structural design of major governmental office complexes.

City of Fairbanks, Engineering Division – Responsible for reviewing structural plans and specifications of projects submitted to the City for permit approval, making sure that the plans conform to the Uniform Building Code and to the Fairbanks Building Code.

Philleo Engineering & Architectural Service (Fairbanks, Alaska) -Hired out of Washington D.C. to provide the structural design of the Fairbanks international Airport Terminal Building modifications. My contract was supposed to have been only for 7 months but was hired for over three years (married Francis Engle, Chief Engineer and my immediate supervisor after a year and a half with the company). Stayed home and worked part time with the City of Fairbanks when my two boys came until they started going to school.

District of Columbia (Washington D.C.) Department of Sanitary Engineering – Responsible for developing and reviewing designs for major water and sewer capital improvements.

Howard, Needles, Tamen & Bergendoff (Alexandria, Virginia) – Responsible for highway design, structural design and drafting of engineering plans of bridges.

Trans-Asia Inc. (Manila, Philippines) - Structural designer for major office buildings including the Dona Segundina Building located in Malate, Manila - an eight story multi-use building (offices on the first 5 floors, apartments on the next 2 floors and the private residence for Dona Segundina at the penthouse).

Nakpil & Sons – (Manila, Philippines) Structural designer of various buildings, including schools, banks, and apartment buildings. Responsibilities also included performing periodic project construction inspections.

ELIZABETH LAJATO MERTO-ENGLE, PE

ADDITIONAL INFORMATION

Leadership Positions

Position	Institution/Occasion	Comments	Dates
Chairperson	Governor Bill Walker's Fairbanks Family Picnic -	1500 people in attendance	May 2015
Chairperson	Governor Bill Walker's Inaugural Ball	Black tie dinner for 700 people	January 2014
President	President Silliman University Alumni Association of Alaska	Joined SUACONA in 2005	2005-2014
Co chaired with Dr. Betsy Joy Tan, Vice President for Academic Affairs, Silliman University	Tipon Silliman 2013, Dumaguete City	First time in _____ years that SUACONA Tipon was held outside of North America	August 2013
Chairperson	Tipon 2013 Journal	Net income just for the Journal alone = \$14,000	August 2013
President, two terms (Currently Member of the Board of Directors)	Filipino American Society of Fairbanks, Inc.	Civic activities included yearly cleanup of 2 mile stretch of highway, providing Asian dinner for 250 volunteers and ice sculptors during the annual World Ice Art Championship, (<i>Facebook Book: Fil-Am Society of Fairbanks</i>)	2011-2013, 1998-2000
Co-chaired with Faith Manigsaca Duran	Tipon Silliman 2011, "Tipon Under the Midnight Sun" in Fairbanks, Alaska	SUAAA membership was only 7 yet, was very successful, attendees will never forget our "All you can eat Alaskan Seafood picnic" with King crabs, salmon, hooligan, halibut etc....	June 2011
Project Manager	Alyeska Pipeline Service Co., Inc.,	Supervised as many as 300 field staff in one of the most challenging and urgent projects with temperatures averaging minus 35 degrees Fahrenheit (minus 37.22 degrees Celsius) in Deadhorse, Pump Station 1.	2000-2008



Executive Committee

Elizabeth (Betsy) M. Engle
Chairman

Evangeline B. Manjares
Vice Chairman

Faith M. Duran
Secretary

Hannah Cliatt
Treasurer

Kurt Mana-ay
Auditor

Joel Pal
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Sylvester B. Almiron, Jr.
Renato D. Querubin
Joel V. Pal
Zenaida Duran Bennett
Gideon Z. Alegado
Francisco D. Somera Jr.

Parliamentarian/ Adviser
Nelly Somera

SUAONA Member Chapters

- ACTS (Central Texas)
- Alaska
- Alberta, Canada
- Chicago
- Georgia
- Hawaii
- Houston, Texas
- Montreal, Canada
- ACASIA (Michigan, Ohio)
- National Capital Region
- New England
- New York-New Jersey
- North Texas (SAINT)
- Northern California
- Ontario, Canada
- Pacific Northwest
- San Diego
- Southern California

CURRENT CHAIRPERSON OF SILLIMAN UNIVERSITY ALUMNI
COUNCIL OF NORTH AMERICA

AWARDS RECEIVED

Awards	Date
Fairbanks Convention & Visitors Bureau – 2011 Fairbanks Meeting Ambassador	November 2011
Filipino American National Historical Society, Alaska Chapter – “ For Generous support of the project to bring the Philippines Bayanihan National Folk Dance Company to Anchorage, Alaska”	December 3, 2010
Silliman University & SUACONA “Tree of Life Award” – presented during Tipon Silliman 2009 Orlando, Florida, U.S.A.	July 8, 2009
SUHS Class '58 –“Award of Recognition – for having rendered invaluable leadership to the success of the SUHS'58 Golden Jubilee Celebration”	August 24, 2008
2004 Alyeska Pipeline Service Company Inc. President's Award for Excellence in Environment, Allison Creek Weir/ Dam Removal Project	2004
2003 Alyeska Pipeline Service company, Inc. President's Health & Safety Award of Excellence, Presented to: Tank 111 Project Team –For ensuring this project was successfully executed by taking responsibility and accountability for Safety, and continuously “Walking the Talk” that “Nobody Gets Hurt”	2003
ASPC President's Safety Award for “No incidents in 5 years”	
Silliman University Civil Engineering Alumni Association (SUCEAA) Awards – “Plaque of appreciation as a manifestation of our intense gratitude and appreciation for sharing her expertise in the field of Civil engineering as Balik –Talent speaker during the CIVIL ENGINEERING GRAND ALUMNI HOMECOMING S.U. CENTENNIAL FOUNDERS DAY CELEBRATION – held at the Uytengsu Hall, College of Engineering, Silliman University, Dumaguete City.”	2001
Airway Facilities NATIONAL HONORARY AWARDS FOR EXCELLENCE” Elizabeth Engle - Outstanding Contribution, Deadhorse Composite Facility Project Team, National Winner	1999

Publications:

No publications except for letters to the editor, I do have articles in the Fairbanks Daily News Miner written about me as listed below:

Title	Publication
Tipon 2013 Journal (Philippines)	Chaired and solicited advertisements for this publication, net income = \$14,000 (just from the journal only)
Tipon 2011 Journal (Fairbanks, Alaska)	Chaired and Solicited advertisement for this publication, Net income = \$7,000 (just from the journal only)
High School Class 1958 "Remembering the Past, Celebrating the Present" Golden Jubilee Souvenir Program August 2008	Financed the printing of 150 copies of SUHS'58 Golden Anniversary Portal, in Fairbanks, Alaska and brought them to Dumaguete as checked-in luggage
Heartland- Picture That: Left Holding the Bouquet – Off the Richardson Highway	Fairbanks Daily News Miner, Fairbanks, Alaska November 4, 1990
Business People: Engle Heads Health Center Board	Fairbanks Daily News Miner, Fairbanks, Alaska March 25, 1990
Spotlight: Decision-maker in the fast lane	Fairbanks Daily News Miner, Fairbanks, Alaska June 26, 1989
Taste of Alaska	Fairbanks Daily News Miner, Fairbanks, Alaska 1987 Featuring over 125 cooks from seven years of Interior Kitchens columns
Interior Kitchens: Filipino learns to cook cuisine of homeland in U. S.	Fairbanks Daily News Miner, Fairbanks, Alaska March 25, 1987
Savor Flavor of International flavor (Front Page)	Fairbanks Daily News Miner, Fairbanks, Alaska April 13, 1984

Below is the narrative by Dick Brickley who nominated me for the “Women of Distinction Award” in 1917

I have known **Elizabeth (Betsy) Merto Engle** for more than 25 years, she is a person with so much drive and determination. **We have worked together on many volunteer programs throughout that time. She is a terrific leader, highly organized and dedicated to getting things done in a truly professional manner.** When you want, things done and done right you ask Betsy Engle to help.

She is a member of the Board of Directors of Ice Alaska, Inc. and chairs the Public Information Office of Ice Alaska, Inc. Betsy's section was responsible for all the media coordination, scheduling and Ice Alaska promotions for the 2015 BP World Ice Art Championships. She was instrumental in hosting the “CBS Sunday Morning “with Charles Osgood's production team. They were thrilled with Betsy's assistance and guidance as they filmed the 2015 Multi-Block Classic for their program. The TV program aired in early April 2016 with rave reviews, thanks to Betsy's involvement. **She is known to the Fairbanks community for her dedication to her family, career and community volunteerism and is a role model for the success for young girls and women.**

She was born in the Philippines, grew up **from humble beginnings with five other siblings, three sisters and two brothers, in a household with no running water and electricity.** She is the first one in both her parent's family to graduate from college, two other sisters are also engineers. She graduated from Silliman University High School in 1958 and with a degree in Bachelor of Science in Civil Engineering in 1963. Founded in 1901 by American Presbyterian missionaries, Silliman University develops competence, character and faith to every student. As such, many alumni journeyed the *good road*, yet an exceptional few will demonstrate and understand the significance of the University's vision of “VIA VERITAS VITA” in a timeless call for service and endless ways of giving back to the community.

Betsy in her own special and unique way epitomizes and exemplifies these ideals as a person, as an Engineer for the Department of Transportation & Public Facilities (DOT&PF) and Alyeska Pipeline Service Company (APSC), in her various involvements of important community, church, political and cultural activities as well as her strong sense of devotion to family and charitable causes that transcend her own.

She came to Fairbanks from Washington D.C. in 1968 for a 7-month contract to do the structural design of the Fairbanks International Airport. **Betsy was the first female**

registered engineer in the State of Alaska in 1969 and still has the distinction of being the only female to hold the position of Director of Design & Construction of DOT&PF, Northern Region, the biggest of the three regions of the State of Alaska. As Director, she was responsible for projects in the Northern Region from planning through construction of over one hundred million dollars annually of highways, airports, and public facilities projects.

She supervised a staff of over three hundred fifty professionals and technicians working in environmental, design, right of way, materials and construction positions. She coordinated all projects with other State agencies and the public. She negotiated and resolved project contract claims and personnel contract grievances and was also the contracting officer for all design and construction contracts in the Northern Region.

After her retirement from DOT&PF in 2000, Betsy was hired by APSC in as Companywide Project Manager for the Tank Inspection program. She was responsible for the management of multiple assigned major maintenance and new construction projects from inception through project closeout. She played a key role in working with Asset (Owners of the Pipeline) and APSC Project Management team resources to develop project scope, budget, schedule, and satisfactory execution strategy for assigned work. She also provided oversight of engineering, construction, and other contractors through project phases and was responsible for overall project cost, quality, safety, schedule, and performance.

As an employee of the DOT&PF and APSC she exhibited effective interpersonal communication skills, and worked in a team environment and showed independent judgment and creativity to solve complex problems with minimal day-to-day direction. She always exhibited strong leadership, planning, performance management and overall project management skills in addition to demonstrating business acumen and general expertise skills in pipeline operating related disciplines.

Quotes from others who know the Nominee:

1.*Alaska Governor Bill Walker: *“Betsy has been an integral part of two notable community celebrations and events during the first eight months of my administration. Her exemplary service and volunteer as Chairperson of the Fairbanks Governor’s Inaugural Ball and the Governor’s Family Picnic are a strong testament to her enthusiastic involvement in her community. She has outstanding organizational abilities, and she can be counted on to plan, organize, and supervise committees and teams of volunteers, providing a level of comfort to all involved in the event, and contributing an exceptional level of service. Betsy has been an active and crucial community volunteer for the Governor’s Family Picnic in Fairbanks for more than ten years – providing assistance to the last*

four administrations.

Betsy is a committed member of the Fairbanks community and has made a great impact on those around her. She has a solid reputation as one who seeks opportunities to serve others. Betsy's leadership in Fairbanks has earned her the respect of many as she regularly gives of her time and effort to a number of community events and organizations.

Beside her involvement with events associated with the Office of the Governor, one such example is her volunteer work every year to showcase Fairbanks and Alaska as a member of the Ice Alaska Board of Directors and team. Each winter, Ice Alaska hosts the largest ice sculpting competition in the world, bringing many competitors and spectators from around the United States and the world. “Betsy's work, along with that of her fellow team members, makes Alaska proud.”

2.*Mayor Rhonda P. Boyles: “In my entire relationship with Betsy, she was always the consummate lady. She walked quietly but was very firm and fair in every situation. Her professional career was exemplary and I more than one opportunity to hear her peers compliment her skills. Our Borough was much better because of her service as Director of the Northern Region State Department of Interior and her personal service on the Fairbanks North Star Borough Planning Commission. She is a visionary and it was obvious in my observations on her on more than one occasion.”

3.*Cindy Fields, Community Services Director, Immaculate Conception Catholic (ICC) Parish: “Betsy has been a member of the ICC Parish here in Fairbanks since the early 70's and has volunteered on numerous occasions at the soup kitchen, which is sponsored by the ICC parish located at the basement of the ICC Church, during the Thanksgiving, Christmas and Easter holidays and during fund raising events by selling hot dogs and hamburgers”.

4.*U.S. Senator Dan Sullivan: “I have known Betsy for 15 years, when I met her in Fairbanks, Alaska, while she was volunteering as top advisor for my father-in-law's successful campaign for the State House of Representatives. She proved to be a person of kindness and integrity – a hardworking, intelligent go-getter who devoted herself to the betterment of her community. I particularly recall one moment when Betsy took the time to watch my toddler daughter, despite her many responsibilities with the campaign, so that my wife and I could participate in my father-in-law's parade float. We always remember her kindness after that.

Her professional resume speaks for itself – she has a long and distinguished career in engineering in the State of Alaska – but what doesn't show up on paper is Betsy's character: she is known and respected in her community as an individual of honesty and loyalty with a passion to help others. I was reminded of this last year when Betsy volunteered for my campaign for the United States Senate. She exhibited the same energy and enthusiasm that she has always shown in her positions of community service, showing up unsolicited to represent me in Fairbanks at parades and sign-waving events."

5.*Charles Bettisworth, AIA, Retired President Bettisworth North, Architects and Planners: *"I have known Betsy Engle for over 45 years. When we first met (1968-69), I was an architectural intern working for Philleo Architectural and Engineering in Fairbanks, Alaska, at the time Betsy was hired as a structural engineer in the engineering department.*

In my experience, Betsy has been a hard worker, always concerned about the technical quality of the work produce. In later years, I formed my own firm, and Betsy was working for the State of Alaska, Department of Transportation and Public facilities, she was Project Manager on a few smaller building projects which we were hired to design. In this role, we found her organized, competent and fair. These projects were all completed on time, on budget with no claims" .

6.*Gary Pohl- AIA, CCS, Principal, Senior Architect, Stantec Fairbanks *"In 1975, as a young architect in Fairbanks, Alaska, I took a position at Alaska Architects and Engineers, where I had the pleasure of working with Betsy in her capacity as a licensed structural engineer for the firm. She was a great mentor to me, and we collaborated on the design of multiple projects in urban and rural Alaskan communities. I particularly remember how we worked together in the days before computers to design asymmetrical roof trusses using graphic resolution of vector forces.*

I understand Betsy was the first licensed woman engineer in the State of Alaska, and I can attest that she definitely had the right skills and a professional approach to collaboration and problem solving. In addition to her various contributions as a design professional, Betsy has been a well-known community member of Fairbanks, with involvement in a variety of charitable and cultural organizations. There is a number of sayings about persons who "volunteer "to help their constituents and communities, and I think Betsy is the role model for many of them! Fairbanks has a sizable Filipino community, and Betsy has served as President of the Filipino American Society of Fairbanks. I have personally heard testimony as to how valued Betsy's leadership and

accumulated wisdom has been to this organization. She has made positive impact to our far north community, and is well known and respected by many”.

7.*William R. Mott, PE, President and General Manager, Taku Engineering LLC

“I worked for Betsy as a project engineer at APSC from 2003 until she retired. The oil industry is generally dominated by men. Betsy never let that color her attitude or slow her down. She jumped into each project with enthusiasm, intellect and humor.

She always possessed an amazing ability to manage diverse individuals and inspire them to achieve common goals and was amazed at her energy and positive attitude. She always maintained a constant and unflagging focus on the wellbeing of all her team members from her direct reports all the way to the laborers and welders executing the work. She maintains an uncompromising love for her family and friends. She overflows with love and pride when she talks about her sons and grandchildren. She beams with joy when she shows you pictures of her grandkids and talks of their exploits”.

8.*Rev. Dr. Fedirico Agnir *“I first met Betsy ten years ago, in connection with our common endeavor to give back to our Alma Mater in very tangible ways. Betsy’s generosity and devotion to a successful and honorable life befitting an alumnus of Silliman University was nothing but exemplary. Equally impressive if not more is her sterling record as a professional. In an outstanding way, she did what everyone of us who leave Silliman University, especially those of us who go abroad, seek to do.*

She used her Silliman education to make a big impact among her peers as well as those in the community she lived in. When she migrated to Alaska, Betsy faced two challenges, one was to hold her own as an engineer in a field that is traditionally dominated by men. The other was to deal with the usual obstacles that go with being an ethnic minority person. None of these challenges daunted her as she proved her worth, thus exemplifying the Filipino woman’s character and determination to succeed in a way that few others can.

Betsy’s strength of character is exhibited by her extreme generosity towards friends and colleagues, which she does without fanfare or expectation of reward. One instance that clearly comes to mind is her devoted service to her best friend, the late Alaska Congresswoman Thelma Garcia Buchholdt. Betsy and Thelma shared many things and supported each other in various endeavors. When Thelma was honored in Manila in December 2006 by Philippine President Gloria

Macapagal Arroyo with the Banaag Award for Most Outstanding Filipinos Overseas, Betsy took the 20,000 mile round trip to be with her friend. And when Thelma was terminally ill, Betsy lovingly cared for her, visiting her almost every day, bringing gifts and food to her bedside just like a devoted family member would“.

***Full contents of the above eight (8) testimonials are available if needed. These are 8 of 27 testimonials submitted by different individuals when Betsy was nominated for the 2016 Outstanding Silliman Alumni Award**

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