



**State of Alaska**  
**Department of Environmental Conservation**  
**Village Safe Water Program**

555 Cordova Street  
Anchorage, AK 99501  
[evan.patterson@alaska.gov](mailto:evan.patterson@alaska.gov)

February 29, 2024

To: Vendor List

Re: Amendment 1  
RFP 24-VSW-KMO-016  
Design of the Manokotak Old Village Sewer Main Repair Project  
RFP Due Date: March 19, 2024 @ 2:00 PM AST

**The following changes are required:**

1. The Community Water Sewer Improvements Contact List, VSW Basic Plan Set Requirements and VSW Design Analysis Report Table of Contents are attached per RFP appendix B, section 1.28 Attachments.

**The following are vendor questions and the department's response:**

1. Vendor: There are multiple appendices missing from this report: Appendix C, H, I, J, K, and L. Will these files be provided as separate attachments?

Department: Offerors must contact the procurement officer to receive an updated copy of 2012-06-29\_Old\_Manokotak\_Village\_Study-1. The attachment will be sent to offerors via ZendTo.

2. Vendor: Regarding the RFP Article B2 Scope of Service, Phase I, Review Meetings Task 1e and f are worded slightly differently than the deliverable tasks 5 and 6. Kindly confirm that a community presentation is only required at 35% and the 65 and 95% review meetings with VSW will include a 3<sup>rd</sup> party review as typical.

Department: Regarding question #2 can you further detail where the issue is?

Vendor: In the past we have only facilitated a presentation to the community and VSW at the 35% level, and had design review meetings at 65% & 95% with VSW and the 3<sup>rd</sup> party reviewer. The way Task 1 – Review Meetings items e and f are worded indicate a design presentation to the community and VSW at 65 & 95%. We just wanted to confirm this change to VSW's procedure, now requiring community presentations at the 65% and 95% level or if this is possibly just a cut/paste from item d. Task 4 references the community meeting to present the 35% submittal as typical. Task 5 – 65% Submittal shows item 10. Community Design Update – does this refer to the community presentation set forth in Task 1 item e? Task 6 - 95% Submittal does not reference any type of community update or presentation. We'd just like to be sure we understand if design presentations to the community are now required at the 65% and 95% level in addition to the 35% presentation.

Department: The review meetings as indicated in Task 1 – Review Meetings are correct. Please see attached updated Statement of Services, Appendix B. The only changes are under Phase I – Design and Specification Development. New language is highlighted yellow and deletions have a strikethrough.

Evan Patterson

A handwritten signature in black ink that reads "Evan Patterson". The script is cursive and fluid.

Procurement Specialist

Community Water Sewer Improvements Contact List

Community	3 Letter Airport Code	Project Agency Lead	Primary Project Engineer	Phone Number	RMW Region	Remote Maintenance Worker	Phone Number	RMW Supervisor	Phone Number	RUBA Contact	Phone Number	Operator Certification Contact	Phone Number	Drinking Water Staff	Phone Number	Solid Waste Contact	Phone Number
Adak	ADK	VSW	Oscar Menendez	907-269-7606	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Melinna Faw	907-269-7642
Akiok	AAKK	ANTHC	James Amundsen	907-301-5701	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Doug Zellmer		Stephen Price	907-269-7467
Akiachak	AKKI	ANTHC	Charissa Williar	907-729-3691	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Doug Zellmer		Melinna Faw	907-269-7642
Akiak	AKI	ANTHC	Ivan Chikigak-Steadman	907-748-0870	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Akutan	KQA	ANTHC	James Amundsen	907-301-5701	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653		
Alakanuk	AUK	VSW	Susan Randlett	907-269-7614	YKHC	Billy Westlock	907-949-1236	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Kalah Statz	907-269-7647	Stephen Price	907-269-7467
Alatna	ALT	ANTHC	Greg Martin	907-729-5620	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Andy Durny	907-451-2756	Martin Suzuki	907-465-5140	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Aleknagik	WAKK	VSW	Carrie Bohan	907-465-5143	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135			Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Allakaket	AET	ANTHC	Kay Sind	314-504-2287	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Andy Durny	907-451-2756	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Ambler	ABL	ANTHC	Steve McGee	907-240-6027	MLQ	Bruce Nelson	907-442-7042	Chris Cox	907-442-7352	Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Miki Smelter	907-451-2231	Sarah Durand	907-451-2761
Anaktuvuk Pass	AKP	ANTHC	Kalen Stamp	907-729-3995						Andy Durny	907-451-2756	Martin Suzuki	907-465-5140	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Anchor Point	APT	VSW	Carrie Bohan	907-465-5143	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605			Kirk Haug	907-465-5136	James Latimer	907-262-3410		
Anderson	AND	VSW	Carrie Bohan	907-465-5143	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Brendan Smyth	907-451-2744						
Angoon	AGN	ANTHC	Kevin Ulrich	907-440-2864	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	James Latimer	907-262-3410	Zach Gianotti	907-465-5318
Aniak	ANI	VSW	Katie Winter	907-269-5137	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Sarah Durand	907-451-2761
Annette Island		VSW	Carrie Bohan	907-465-5143													
Anvik	ANV	VSW	Katie Winter	907-269-5137	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Sarah Durand	907-451-2761
Arctic Village	ARC	VSW	Oscar Menendez	907-269-7606	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Atka	AKB	VSW	Oscar Menendez	907-269-7606	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Melinna Faw	907-269-7642
Atmautluak	ATT	ANTHC	Corbyn Jahn	907-729-3543	YKHC	Shane McIntyre	907-543-6427	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Doug Zellmer		Melinna Faw	907-269-7642
Atkasuk	ATK	ANTHC	Kalen Stamp	907-729-3995						Andy Durny	907-451-2756	Martin Suzuki	907-465-5140	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Beaver	WBQ	VSW	Susan Randlett	907-269-7614	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Bethel	BET	VSW	Katie Winter	907-269-5137						Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Birch Creek	KBC	ANTHC	Kay Sind	314-504-2287	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Martin Suzuki	907-465-5140			Trisha Bower	907-451-2174
Brevig Mission	KTS	ANTHC	Steve McGee	907-240-6027	NSHC	Richard Kuzuguk	907-443-2087	Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Buckland	BKC	VSW	Aaron Wheatall	907-269-4967	MLQ	Bruce Nelson	907-442-7042	Chris Cox	907-442-7352	Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Miki Smelter	907-451-2231		
Cantwell	TTW	ANTHC	Greg Martin	907-729-5620						Brendan Smyth	907-451-2744						
Chalkyitsik	CIK	ANTHC	Kay Sind	314-504-2287	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Chefornak	CYF	VSW	Corey Swisher	907-269-7554	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Chenega Bay	CAB	ANTHC	Kevin Ulrich	907-440-2864	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Christina Harris	907-262-3403	Melinna Faw	907-269-7642
Chevak	VAK	ANTHC	Ryan Beckett	907-830-1891	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Doug Zellmer		Stephen Price	907-269-7467
Chignik	KCQ	ANTHC	Cy Two Elk	907-729-4097	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Chignik Lagoon	KCL	ANTHC	Victoria Jelderks	907-729-3659	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Chignik Lake	CKL	ANTHC	Victoria Jelderks	907-729-3659	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Chistochina	CZO	VSW	Carrie Bohan	907-465-5143						Brendan Smyth	907-451-2744						
Chitina	CXC	VSW	Carrie Bohan	907-465-5143	DEC			John Johnson	907-269-7605			Kirk Haug	907-465-5136	Darryl Gillespie	907-376-1824		
Chuathbaluk	CHU	VSW	Oscar Menendez	907-269-7606	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Sarah Durand	907-451-2761
Circle	IRC	ANTHC	Greg Martin	907-729-5620	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Clark's Point	CLP	VSW	Carrie Bohan	907-465-5143	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Doug Zellmer		Stephen Price	907-269-7467
Coffman Cove	KCC	VSW	Katie Winter	907-269-5137	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Christina Harris	907-262-3403		
Cold Bay	CDB	VSW	Oscar Menendez	907-269-7606	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Melinna Faw	907-269-7642
Copper Center	CZC	VSW	Corey Swisher	907-269-7554	DEC			John Johnson	907-269-7605								
Craig	CGA	ANTHC	Kevin Ulrich	907-440-2864	DEC			John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Christina Harris	907-262-3403		
Crooked Creek	CKD	ANTHC	Corbyn Jahn	907-729-3543	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Doug Zellmer		Sarah Durand	907-451-2761
Deering	DRG	VSW	Katie Winter	907-269-5137	MLQ	Bruce Nelson	907-442-7042	Chris Cox	907-442-7352	Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Miki Smelter	907-451-2231		
Delta Junction	DJN	VSW	Katie Winter	907-269-5137						Brendan Smyth	907-451-2744						
Denali Borough		VSW	Carrie Bohan	907-465-5143						Brendan Smyth	907-451-2744						
Dillingham	DLG	ANTHC	Cy Two Elk	907-729-4097						Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Doug Zellmer		Stephen Price	907-269-7467
Diomede	DIO	ANTHC	Kalen Stamp	907-729-3995	NSHC	Richard Kuzuguk	907-443-2087	Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Dot Lake	DTL	ANTHC	Greg Martin	907-729-5620	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Martin Suzuki	907-465-5140			Sarah Durand	907-451-2761
Eagle Village	EGV	ANTHC	Greg Martin	907-729-5620	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Martin Suzuki	907-465-5140	Mike Sharp	907-451-2178	Sarah Durand	907-451-2761
Eek	E EK	ANTHC	Ryan Beckett	907-830-1891	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Egegik	EGX	VSW	Katie Winter	907-269-5137	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Doug Zellmer		Stephen Price	907-269-7467
Ekuk	AAKU	VSW	Carrie Bohan	907-465-5143												Stephen Price	907-269-7467
Ekwok	KEK	VSW	Susan Randlett	907-269-7614	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135			Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Elfin Cove	ELV	VSW	Katie Winter	907-269-5137	DEC			John Johnson	907-269-7605	Iura Leahu	907-465-4814			Eric Burg	907-262-3420		
Elim	ELI	ANTHC	Steve McGee	907-240-6027	NSHC	Vacant Position		Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Emmonak	EMM	VSW	Aaron Wheatall	907-269-4967	YKHC	Billy Westlock	907-949-1236	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Stephen Price	907-269-7467
Evansville	EVV	ANTHC	Kay Sind	314-504-2287						Andy Durny	907-451-2756					Trisha Bower	907-451-2174
False Pass	KFP	ANTHC	Kevin Ulrich	907-440-2864	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Doug Zellmer		Melinna Faw	907-269-7642
Fort Yukon	FYU	ANTHC	Kay Sind	314-504-2287	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Andy Durny	907-451-2756	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Galena	GAL	ANTHC	Greg Martin	907-729-5620	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Andy Durny	907-451-2756	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Sarah Durand	907-451-2761
Gambell	GAM	VSW	Oscar Menendez	907-269-7606	NSHC	Richard Kuzuguk	907-443-2087	Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Glennallen	GLQ	VSW	Corey Swisher	907-269-7554	DEC			John Johnson	907-269-7605			Kirk Haug	907-465-5136	Darryl Gillespie	907-376-1824		
Golovin	GLV	ANTHC	Ryan McLaughlin	907-444-7886	NSHC	Vacant Position		Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Goodnews Bay	GNU	ANTHC	Cy Two Elk	907-729-4097	YKHC	Bob White	907-543-6428	Bob White									

Community Water Sewer Improvements Contact List

Community	3 Letter Airport Code	Project Agency Lead	Primary Project Engineer	Phone Number	RMW Region	Remote Maintenance Worker	Phone Number	RMW Supervisor	Phone Number	RUBA Contact	Phone Number	Operator Certification Contact	Phone Number	Drinking Water Staff	Phone Number	Solid Waste Contact	Phone Number
Gustavus	GST	VSW	Susan Randlett	907-269-7614	DEC			John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Jamie Bjorkman	907-262-3423	Zach Gianotti	907-465-5318
Healy Lake	HKB	VSW	Katie Winter	907-269-5137	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Martin Suzuki	907-465-5140			Sarah Durand	907-451-2761
Holy Cross	HCR	ANTHC	Ryan Beckett	907-830-1891	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Sarah Durand	907-451-2761
Hoonah	HNH	ANTHC	James Amundsen	907-301-5701	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Jamie Bjorkman	907-262-3423	Zach Gianotti	907-465-5318
Hooper Bay	HPB	VSW	Corey Swisher	907-269-7554	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Doug Zellmer		Stephen Price	907-269-7467
Hughes	HUS	ANTHC	Greg Martin	907-729-5620	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Huslia	HSL	ANTHC	Greg Martin	907-729-5620	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Andy Durny	907-451-2756	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Hydaburg	HYG	ANTHC	James Amundsen	907-301-5701	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Jamie Bjorkman	907-262-3423	Zach Gianotti	907-465-5318
Igiugig	IGG	ANTHC	Joyell Acuna	907-382-4913	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Iliamna	ILI	ANTHC	Joyell Acuna	907-382-4913	DEC			John Johnson	907-269-7605	Jed Cox	907-269-4549					Stephen Price	907-269-7467
Ivanof Bay	KIB	VSW	Katie Winter	907-269-5137	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135			Leah Van Sandt	907-269-7653		
Kachemak Selo		VSW	Katie Winter	907-269-5137	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	James Latimer	907-262-3410		
Kake	KAE	ANTHC	Elizabeth Merrill	907-306-3233	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Jamie Bjorkman	907-262-3423	Zach Gianotti	907-465-5318
Kaktovik	BTI	ANTHC	Kalen Stamp	907-729-3995						Andy Durny	907-451-2756	Martin Suzuki	907-465-5140	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Kaltag	KAL	ANTHC	Kay Sind	314-504-2287	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Sarah Durand	907-451-2761
Karluk	KYK	ANTHC	Kevin Ulrich	907-440-2864	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Kasaan	KXA	ANTHC	James Amundsen	907-301-5701	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Jamie Bjorkman	907-262-3423		
Kasigluk	KUK	ANTHC	Ryan Beckett	907-830-1891	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Kennicott/McCarthy	MXY	VSW	Carrie Bohan	907-465-5143													
Kiana	IAN	ANTHC	Ryan McLaughlin	907-444-7886	MLQ	Bruce Nelson	907-442-7042	Chris Cox	907-442-7352	Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Miki Smelter	907-451-2231	Sarah Durand	907-451-2761
King Cove	KVC	ANTHC	James Amundsen	907-301-5701	DEC			John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Melinna Faw	907-269-7642
King Salmon	AKN	ANTHC	Victoria Jelderks	907-729-3659								Kirk Haug	907-465-5136				
Kipnuk	KIP	ANTHC	Corbyn Jahn	907-729-3543	YKHC	Shane McIntyre	907-543-6427	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Kivalina	KVL	ANTHC	Kalen Stamp	907-729-3995	MLQ	Bruce Nelson	907-442-7042	Chris Cox	907-442-7352	Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Miki Smelter	907-451-2231		
Klawock	KLW	ANTHC	Kevin Ulrich	907-440-2864	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Jamie Bjorkman	907-262-3423	Zach Gianotti	907-465-5318
Klukwan	WAN	ANTHC	Elizabeth Merrill	907-306-3233	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Jamie Bjorkman	907-262-3423	Zach Gianotti	907-465-5318
Kobuk	OBU	ANTHC	Steve McGee	907-240-6027	MLQ	Bruce Nelson	907-442-7042	Chris Cox	907-442-7352	Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Miki Smelter	907-451-2231	Sarah Durand	907-451-2761
Kokhanok	KHK	ANTHC	Joyell Acuna	907-382-4913	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Koliganek	KGK	ANTHC	Cy Two Elk	907-729-4097	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Kongiganak	AKKH	VSW	Susan Randlett	907-269-7614	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Kalah Statz	907-269-7647	Melinna Faw	907-269-7642
Kotlik	KOT	ANTHC	Ivan Chikigak-Steadman	907-748-0870	YKHC	Billy Westlock	907-949-1236	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Doug Zellmer		Stephen Price	907-269-7467
Kotzebue	OTZ	ANTHC	Steve McGee	907-240-6027						Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Karen Garland	907-451-2137		
Koyuk	AKKA	ANTHC	Steve McGee	907-240-6027	NSHC	Vacant Position		Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Koyukuk	KYU	ANTHC	Greg Martin	907-729-5620	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Karen Garland	907-451-2137	Sarah Durand	907-451-2761
Kwethluk	KWT	ANTHC	Ivan Chikigak-Steadman	907-748-0870	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Kalah Statz	907-269-7647	Melinna Faw	907-269-7642
Kwigillingok Village	KWK	ANTHC	Corbyn Jahn	907-729-3543	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Kalah Statz	907-269-7647	Melinna Faw	907-269-7642
Lake Minchumina	LMA	VSW	Katie Winter	907-269-5137												Sarah Durand	907-451-2761
Larsen Bay	LAR	ANTHC	Kevin Ulrich	907-440-2864	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Doug Zellmer		Stephen Price	907-269-7467
Levelock	KLL	ANTHC	Cy Two Elk	907-729-4097	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135			Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Lime Village	LVD	ANTHC	Ryan Beckett	907-830-1891	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Brendan Smyth	907-451-2744			Leslie Morrison	907-269-7518	Sarah Durand	907-451-2761
Lowell Point	LPT	VSW	Carrie Bohan	907-465-5143													
Lower Kalskag	KLG	ANTHC	Brent Hove	907-729-3658	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Sarah Durand	907-451-2761
Manley Hot Springs		VSW	Oscar Menendez	907-269-7606	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Andy Durny	907-451-2756	Kirk Haug	907-465-5136			Trisha Bower	907-451-2174
Manokotak	KMO	VSW	Aaron Wheattall	907-269-4967	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Marshall	MLL	VSW	Susan Randlett	907-269-7614	YKHC	Shane McIntyre	907-543-6427	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Doug Zellmer		Stephen Price	907-269-7467
McGrath	MCG	VSW	Oscar Menendez	907-269-7606	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Andy Durny	907-451-2756	Kirk Haug	907-465-5136	Karen Garland	907-451-2137	Sarah Durand	907-451-2761
Mekoryuk	MYU	VSW	Susan Randlett	907-269-7614	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Doug Zellmer		Melinna Faw	907-269-7642
Mentasta	MEN	VSW	Katie Winter	907-269-5137	DEC			John Johnson	907-269-7605			Kirk Haug	907-465-5136	Miki Smelter	907-451-2231		
Mertarvik		ANTHC	Ryan Beckett	907-830-1891	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Metlakatla	MTM	VSW	Jacob Dilley	907-269-7611	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Iura Leahu	907-465-4814			James Latimer	907-262-3410		
Minto	MNT	VSW	Susan Randlett	907-269-7614	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Moose Pass		VSW	Aaron Wheattall	907-269-4967													
Mountain Village	MOU	VSW	Katie Winter	907-269-5137	YKHC	Billy Westlock	907-949-1236	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Doug Zellmer		Stephen Price	907-269-7467
Naknek	NNK	ANTHC	Cy Two Elk	907-729-4097	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Nanwalek	KEB	ANTHC	James Amundsen	907-301-5701	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Jamie Bjorkman	907-262-3423		
Napakiaik	WNA	VSW	Corey Swisher	907-269-7554	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Napaskiak	PKA	ANTHC	Brent Hove	907-729-3658	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Doug Zellmer		Melinna Faw	907-269-7642
Naukati West	NKI	VSW	Katie Winter	907-269-5137						Iura Leahu	907-465-4814						
Nelson Lagoon	NNO	ANTHC	Kevin Ulrich	907-440-2864	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Melinna Faw	907-269-7642
Nenana	ENN	ANTHC	Greg Martin	907-729-5620	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178		
New Stuyahok	KNW	ANTHC	Victoria Jelderks	907-729-3659	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Doug Zellmer		Stephen Price	907-269-7467
Newhalen	NHL	ANTHC	Joyell Acuna	907-382-4913	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Newtok	WWT	ANTHC	Ryan Beckett	907-830-1891	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Nightmute	NME	VSW	Susan Randlett	907-269-7614	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Kalah Statz	907-269-7647	Melinna Faw	907-269-7642
Nikolaevsk	NIK	VSW	Corey Swisher	907-269-7554	DEC	Tanner Cote	907										



Community Water Sewer Improvements Contact List

Community	3 Letter Airport Code	Project Agency Lead	Primary Project Engineer	Phone Number	RMW Region	Remote Maintenance Worker	Phone Number	RMW Supervisor	Phone Number	RUBA Contact	Phone Number	Operator Certification Contact	Phone Number	Drinking Water Staff	Phone Number	Solid Waste Contact	Phone Number
Nondalton	NNL	ANTHC	Victoria Jelderks	907-729-3659	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Noorvik	ORV	ANTHC	Kalen Stamp	907-729-3995	MLQ	Bruce Nelson	907-442-7042	Chris Cox	907-442-7352	Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Miki Smelter	907-451-2231	Sarah Durand	907-451-2761
Northway	ORT	ANTHC	Greg Martin	907-729-5620	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Sarah Durand	907-451-2761
Nuiqsut	NUQ	ANTHC	Kalen Stamp	907-729-3995						Andy Durny	907-451-2756	Martin Suzuki	907-465-5140	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Nulato	NUL	VSW	Katie Winter	907-269-5137	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Sarah Durand	907-451-2761
Nunam Iqua	SXP	VSW	Carrie Bohan	907-465-5143	YKHC	Billy Westlock	907-949-1236	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Doug Zellmer		Stephen Price	907-269-7467
Nunapitchuk	NUP	VSW	Oscar Menendez	907-269-7606	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Old Harbor	OLH	ANTHC	Kevin Ulrich	907-440-2864	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Oscarville	OSC	ANTHC	Ryan Beckett	907-830-1891	YKHC	Shane McIntyre	907-543-6427	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Ouzinkie	KOZ	ANTHC	James Amundsen	907-301-5701	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Pedro Bay	PDB	ANTHC	Victoria Jelderks	907-729-3659						Lydia Mielke	907-269-4563					Stephen Price	907-269-7467
Pelican	PEC	VSW	Katie Winter	907-269-5137	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Christina Harris	907-262-3403	Zach Gianotti	907-465-5318
Perryville	KPV	ANTHC	Victoria Jelderks	907-729-3659	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Doug Zellmer		Stephen Price	907-269-7467
Pilot Point	PIP	VSW	Aaron Wheatall	907-269-4967	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135			Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Pilot Station	PQS	ANTHC	Corbyn Jahn	907-729-3543	YKHC	Billy Westlock	907-949-1236	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Stephen Price	907-269-7467
Pitka's Point	PPT	ANTHC	Brent Hove	907-729-3658	YKHC	Billy Westlock	907-949-1236	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Doug Zellmer			
Platinum	PTU	VSW	Oscar Menendez	907-269-7606	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Carol Luckhurst	907-842-5135	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Melinna Faw	907-269-7642
Point Baker	KPB	VSW	Katie Winter	907-269-5137						Iura Leahu	907-465-4814						
Point Hope	PHO	ANTHC	Kalen Stamp	907-729-3995						Fred Smith	907-442-3696	Martin Suzuki	907-465-5140	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Point Lay	PIZ	ANTHC	Kalen Stamp	907-729-3995						Fred Smith	907-442-3696	Martin Suzuki	907-465-5140	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Port Alexander	PTD	VSW	Katie Winter	907-269-5137	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Christina Harris	907-262-3403		
Port Alsworth	PTA	VSW	Katie Winter	907-269-5137													
Port Graham	PGM	ANTHC	Elizabeth Merrill	907-306-3233	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Jamie Bjorkman	907-262-3423		
Port Heiden	PTH	VSW	Aaron Wheatall	907-269-4967	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135			Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Port Lions	ORI	ANTHC	Elizabeth Merrill	907-306-3233	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Doug Zellmer		Stephen Price	907-269-7467
Port Protection	PPV	VSW	Susan Randlett	907-269-7614	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Christina Harris	907-262-3403		
Portage Creek	PCA	VSW	Katie Winter	907-269-5137	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135			Leah Van Sandt	907-269-7653		
Quinhagak	KWN	VSW	Corey Swisher	907-269-7554	YKHC	Bob White	907-543-6428	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Doug Zellmer		Melinna Faw	907-269-7642
Rampart	RMP	ANTHC	Kay Sind	314-504-2287	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Red Devil	RDV	VSW	Katie Winter	907-269-5137	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Eli Jacobson	907-543-3475					Sarah Durand	907-451-2761
Ruby	RBV	ANTHC	Kay Sind	314-504-2287	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Andy Durny	907-451-2756	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Sarah Durand	907-451-2761
Russian Mission	RSH	ANTHC	Ivan Chikigak-Steadman	907-748-0870	YKHC	Shane McIntyre	907-543-6427	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Doug Zellmer		Stephen Price	907-269-7467
Saint George	PBV	VSW	Aaron Wheatall	907-269-4967	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Melinna Faw	907-269-7642
Saint Mary's	KSM	ANTHC	Cody Uhlig	907-729-3589	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Stephen Price	907-269-7467
Saint Michael	SMK	ANTHC	Steve McGee	907-240-6027	NSHC	Vacant Position		Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Saint Paul	SNP	VSW	Katie Winter	907-269-5137	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Melinna Faw	907-269-7642
Sand Point	SDP	ANTHC	James Amundsen	907-301-5701	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Doug Zellmer		Melinna Faw	907-269-7642
Savoonga	SVA	ANTHC	Steve McGee	907-240-6027	NSHC	Richard Kuzuguk	907-443-2087	Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Saxman	SAX	ANTHC	Elizabeth Merrill	907-306-3233	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Jamie Bjorkman	907-262-3423		
Scammon Bay	SCM	ANTHC	Brent Hove	907-729-3658	YKHC	Billy Westlock	907-949-1236	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Stephen Price	907-269-7467
Selawik	WLK	ANTHC	Ryan McLaughlin	907-444-7886	MLQ	Bruce Nelson	907-442-7042	Chris Cox	907-442-7352	Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Miki Smelter	907-451-2231		
Seldovia	SOV	VSW	Katie Winter	907-269-5137	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Jamie Bjorkman	907-262-3423		
Shageluk	SHX	ANTHC	Brent Hove	907-729-3658	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Sarah Durand	907-451-2761
Shaktolik	SAKK	VSW	Oscar Menendez	907-269-7606	NSHC	Vacant Position		Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Shishmaref	SHH	ANTHC	Kalen Stamp	907-729-3995	NSHC	Richard Kuzuguk	907-443-2087	Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Shungnak	SHG	ANTHC	Kalen Stamp	907-729-3995	MLQ	Bruce Nelson	907-442-7042	Chris Cox	907-442-7352	Fred Smith	907-442-3696	Brandi Adams	907-465-5530	Miki Smelter	907-451-2231		
Slana	SLA	VSW	Oscar Menendez	907-269-7606						Brendan Smyth	907-451-2744						
Sleetmute	SLQ	VSW	Aaron Wheatall	907-269-4967	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Eli Jacobson	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518	Sarah Durand	907-451-2761
South Naknek	WSN	ANTHC	Joyell Acuna	907-382-4913	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Stebbins	WBB	ANTHC	Kalen Stamp	907-729-3995	NSHC	Vacant Position		Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Stevens Village	SVS	VSW	Aaron Wheatall	907-269-4967	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Stony River	SRV	ANTHC	Corbyn Jahn	907-729-3543	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Eli Jacobson	907-543-3475			Leslie Morrison	907-269-7518	Sarah Durand	907-451-2761
Takotna	TCT	VSW	Susan Randlett	907-269-7614	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Karen Garland	907-451-2137	Sarah Durand	907-451-2761
Tanacross Village	TSG	ANTHC	Kay Sind	314-504-2287	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Sarah Durand	907-451-2761
Tanana	TAL	VSW	Oscar Menendez	907-269-7606	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Andy Durny	907-451-2756	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Tatitlek	TAT	ANTHC	Kevin Ulrich	907-440-2864	DEC	Matthew Russell	907-269-3067	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	Christina Harris	907-262-3403	Melinna Faw	907-269-7642
Tazlina		ANTHC	Kay Sind	314-504-2287						Brendan Smyth	907-451-2744	Martin Suzuki	907-465-5140				
Teller	TLA	VSW	Aaron Wheatall	907-269-4967	NSHC	Richard Kuzuguk	907-443-2087	Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Tenakee Springs	TKE	VSW	Katie Winter	907-269-5137						Iura Leahu	907-465-4814			James Latimer	907-262-3410		
Tetlin	THE	ANTHC	Kay Sind	314-504-2287	TCC	Vacant Position		Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Mike Sharp	907-451-2178	Sarah Durand	907-451-2761
Thorne Bay	KTB	VSW	Corey Swisher	907-269-7554	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	James Latimer	907-262-3410	Zach Gianotti	907-465-5318
Togiak	TOG	ANTHC	Victoria Jelderks	907-729-3659	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396	Carol Luckhurst	907-842-5135	Kirk Haug	907-465-5136	Doug Zellmer		Stephen Price	907-269-7467
Toksook Bay	OOK	ANTHC	Corbyn Jahn	907-729-3543	YKHC	Allan Paukan	907-438-6124 (cell)	Bob White	907-543-6428	Fred Broerman	907-543-0890	Dan DeSloover	907-465-5145	Doug Zellmer		Melinna Faw	907-269-7642
Trappers Creek		VSW	Carrie Bohan	907-465-5143								Kirk Haug	907-465-5136	Tee Little	907-376-1860		
Tuluksak	TL																

Community Water Sewer Improvements Contact List

Community	3 Letter Airport Code	Project Agency Lead	Primary Project Engineer	Phone Number	RMW Region	Remote Maintenance Worker	Phone Number	RMW Supervisor	Phone Number	RUBA Contact	Phone Number	Operator Certification Contact	Phone Number	Drinking Water Staff	Phone Number	Solid Waste Contact	Phone Number
Tyonek Village	TYE	ANTHC	Joyell Acuna	907-382-4913	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Lydia Mielke	907-269-4563	Kirk Haug	907-465-5136	James Latimer	907-262-3410		
Ugashik	UGS	ANTHC	Victoria Jelderks	907-729-3659	BBAHC	Kenny Parker	907-842-9624	George Larsen	907-842-3396					Leah Van Sandt	907-269-7653	Stephen Price	907-269-7467
Unalakleet	UNK	VSW	Aaron Wheataill	907-269-4967	NSHC	Vacant Position		Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Upper Kalskag	KLK	VSW	Aaron Wheataill	907-269-4967	YKHC	Bruce Werba	907-476-2104	Bob White	907-543-6428	Mike White	907-543-3475	Dan DeSloover	907-465-5145	Leslie Morrison	907-269-7518		
Utqiagvik	BRW	ANTHC	Kalen Stamp	907-729-3995						Andy Durny	907-451-2756	Martin Suzuki	907-465-5140	Miki Smelter	907-451-2231		
Venetie	VEE	ANTHC	Greg Martin	907-729-5620	TCC	Lee Meckel	907-452-8251 ext. 3265	Noah Tsigonis	907-452-8251 ext. 3431	Brendan Smyth	907-451-2744	Kirk Haug	907-465-5136	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Voznesenka	VOZ	VSW	Aaron Wheataill	907-269-4967	DEC	Tanner Cote	907-269-7609	John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	James Latimer	907-262-3410		
Wainwright	AIN	ANTHC	Kalen Stamp	907-729-3995						Andy Durny	907-451-2756	Martin Suzuki	907-465-5140	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Wales	WAA	VSW	Oscar Menendez	907-269-7606	NSHC	Richard Kuzuguk	907-443-2087	Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Mike Sharp	907-451-2178	Trisha Bower	907-451-2174
Whale Pass	WWP	VSW	Carrie Bohan	907-465-5143						Iura Leahu	907-465-4814						
White Mountain	WMO	ANTHC	Ryan McLaughlin	907-444-7886	NSHC	Richard Kuzuguk	907-443-2087	Luke Smith	907-443-3403	Lena Mathlaw	907-443-5457	Brandi Adams	907-465-5530	Karen Garland	907-451-2137	Trisha Bower	907-451-2174
Whittier	WHI	VSW	Corey Swisher	907-269-7554	DEC			John Johnson	907-269-7605	Jed Cox	907-269-4549	Kirk Haug	907-465-5136	Elizabeth Nakanishi	907-269-7517		
Yakutat	YAK	ANTHC	Kevin Ulrich	907-440-2864	DEC	Theo Graber	907-269-7571	John Johnson	907-269-7605	Iura Leahu	907-465-4814	Brandi Adams	907-465-5530	Jamie Bjorkman	907-262-3423	Zach Gianotti	907-465-5318

# Basic Plan Set Requirements

DRAWING CATEGORY & CONTENT	35%	65%, 95% and Stamped
<b>GENERAL</b>		
Cover Sheet & Sheet Index	x	x
General Legend & Vicinity Map	x	x
Abbreviations & General Notes	x	x
Scope of Work & Community/Climate Data	x	x
Overall Site Plan with Topography	x	x
System Schematic(s)	x	x
Soil Boring Data	x	x
<b>SURVEY</b>		
Easement Index Map	x	x
Basis of Bearing Map		x
Parcel Boundary Map		x
<b>CIVIL</b>		
Design Criteria	x	x
Legend & Abbreviations	x	x
General Material & Installation Notes	x	x
Individual Site Plans	x	x
Plan & Profile Index Map	x	x
Plan & Profiles	x	x
Standard Details	x	x
Project Specific Details		x
Grading Plan		x
Fencing Plan		x
<b>PROCESS</b>		
Design Criteria	x	x
Legend & Abbreviations	x	x
Piping Floor Plans	x	x
Piping & Instrumentation Diagram	x	x
Operation Description	x	x
General Material & Installation Notes	x	x
Standard Details	x	x
Equipment Schedule & Specifications		x
Equipment Floor Plans		x
Project Specific Details		x
<b>MECHANICAL</b>		
Design Criteria	x	x
Legend & Abbreviations	x	x
Equipment Floor Plan	x	x
Piping & Instrumentation Diagram		x
Operation Description		x

General Material & Installation Notes		x
Equipment Schedule & Specifications		x
Piping Floor Plans		x
Standard Details		x
Project Specific Details		x
<b>ARCHITECTURAL</b>		
Design Criteria	x	x
Legend & Abbreviations	x	x
Code Analysis	x	x
Floor Plans	x	x
General Material & Installation Notes	x	x
Elevations	x	x
Equipment Schedule & Specifications		x
Sections		x
Standard Details		x
Project Specific Details		x
<b>STRUCTURAL</b>		
Design Criteria & Loads	x	x
Legend & Abbreviations	x	x
Code Analysis	x	x
Foundation Plan	x	x
General Material & Installation Notes	x	x
Equipment Schedule & Specifications		x
Elevations		x
Sections		x
Standard Details		x
Project Specific Details		x
<b>ELECTRICAL</b>		
Design Criteria & Loads		x
Legend & Abbreviations	x	x
Code Analysis	x	x
Operation Description		x
General Material & Installation Notes	x	x
Power One Line & Panel List	x	x
Equipment Schedule & Specifications		x
Floor Plans		x
Elevations		x
Sections		x
Panel Faces		x
Panel Wiring Diagrams		x
Standard Details		x
Project Specific Details		x



## **GENERAL REQUIREMENTS FOR PLAN SHEETS**

A typical set of drawings will contain many of the following sheets in the order in which they appear in the list.. The type of sheets contained in the plan set will vary depending on the scope of work for the project and the complexity of the proposed facility.

- Cover Sheet and Sheet Index
- General (G Sheets)
- Survey (V Sheets)
- Geotechnical (B Sheets)
- Civil (C Sheets)
- Structural (S Sheets)
- Architectural (A Sheets)
- Plumbing (P Sheets)
- Process (D Sheets)
- Mechanical (M Sheets)
- Electrical (E Sheets)
- Contractor/Shop Drawings (Z Sheets)

The following provides a detailed overview of the type of information that is normally included on drawings in the plan set:

### **I. Cover Sheet and Sheet Index**

VSW's standard cover sheet will be used for all VSW projects.

### **II. General Legend and Vicinity Map (G Sheet)**

VSW's standard General Legend and Vicinity Map format will be used for all VSW projects.

### **III. Scope of Work and Community/Climate Data (G Sheet)**

The project scope of work, community data, climate data and project phasing plan is provided on this sheet.

### **IV. System Schematic and Project Specific Design Criteria (G Sheet)**

Separate Schematic Sheets should be drawn for water and sewerage systems. The Schematic Sheet will serve as a line diagram of the overall systems. The schematic sheets should include the following:

#### **A. Water**

1. General perspective view of the entire water system with major features

2. Storage tanks with base and overflow elevations and capacities
3. Major points of use
4. Major elevation references
5. Operational pressures during both minimum and maximum flows

#### B. Well Data

1. Pump House/Washeteria location and note the source of power
2. Date of construction, contractor, well number, and surface elevation
3. Depth and size of bore hole
4. Static water level and the date of measurement

#### C. Sewerage

##### 1. General

- a. General perspective view of the entire sewerage system designating direction of flow, major features, and force-mains
- b. Lagoon(s) with the number of cells, capacities of each cell, dimensions, floor elevations, overflow elevations, if applicable
- c. Community septic tanks with number of chambers, capacities of each chamber, dimensions, and inlet/outlet elevations, if applicable
- d. Community drainfield information with areas, materials, soil type, percolation rate, and elevations, if applicable
- e. Outfall lengths, materials, elevations, and diffuser type, if applicable
- f. Major points of use
- g. Major elevation references
- h. All manholes
- i. All lift stations

##### 2. Lift Stations

- a. Type of lift station
- b. Make, model, horsepower, voltage, phasing and capacity of pump(s)
- c. Static, dynamic, and total discharge heads

#### **V. Survey (V Sheets)**

- A. Survey Easement Index Map
- B. Basis of Bearing and Vertical Control Map (including coordinates of monuments used)
- C. Parcel Boundary Map
- D. Project Right-of-Ways and Easements

## **VI. Geotechnical (B Sheets)**

- A. Site plan with test hole locations and legend
- B. Test boring/hole logs with reference to boring/hole locations

## **VII. Civil Drawings (C Sheets)**

- A. Civil/Survey Legend
- B. Civil General Material and Installation Notes
- C. Civil System Layout and Sheet Locator Map(s)

The System Layout Sheet(s) will be a plan view of the water and/or sewer system(s) showing all (or a large portion) of the system on one sheet. For larger systems, the scale should be between 1" = 400' and 1" = 1,000', depending on the density of services provided. For smaller systems, the scale should be as needed in order to show sufficient detail on one sheet. If the system cannot be put on one sheet, an index sheet should be provided that shows the waterline locations (without valves), major features such as roads, rivers, etc. and a reference to the areas covered by each layout sheet.

The system layout and sheet locator map will provide the following:

1. Highways, roads, streets, major drainage features, and major buildings. Aerial photographs can be used as a map base if the overlays are readable.
2. Sketch of the community sewer system(s) and wastewater treatment system location(s)
3. Reference areas designating which plan or plan and profile view sheet numbers apply to specific areas of the system
4. House numbers and names of homeowners in tabular form
5. Dwelling locations, with house numbers
6. Identity and approximate location of existing subsurface utilities
7. Main line gate valves (without markers and/or tie-ins)
8. North arrow and bar scale
9. Dimensional data for pipeline material used. (Example: ID., O.D., SDR, ASTM specification and pressure rating designation for each size of pipe used.) Pipeline distances between gate valves and appurtenances can be shown if desired but is not mandatory.
10. Topography existing & proposed contours. Proposed grade contours are shown on final stamped construction plans

### **D. Civil Plan and Profile Views**

#### **1. General**

- a. North arrow with drawings oriented so that the north arrow is pointing more toward the top of the sheet than the bottom
- b. A bar scale
- c. Individual homes to be served and corresponding house numbers.

- d. Adequate information (coordinates, distance to property lines, etc.) to stake the designed improvements in the field
- e. Profile views are generally “left to right” but in certain instances to require them to go “right to left”.

## 2. Water

- a. Fire hydrants
  - Distance to the mainline and shut-off valve from the hydrant
  - Size of the hydrant
- b. Gate Valves, Air Release Valves, and Pressure Reducing Valves (PRV)
  - Location of each valve with respect to at least two permanent points (i.e., buildings, hydrants, power poles, etc.) within 100 feet, if available
  - Size of the valves
  - Approximate depths of bury
  - Size of PRV valve(s) including incoming and outgoing pressures, and ground elevations
- c. Water main
  - Proposed marker post locations on the plans, when appropriate. markers should be located at line of sight intervals or 1,500 feet apart (maximum)
  - Nominal pipe size, material, type of joints, class, pressure rating, etc. (Example: 6”X 12” Aluminum Jacketed Arctic Pipe, HDPE, SDR 11, 160 psi, butt fused joints)
  - Description and location of tees, elbows, crosses, bends, and reducers
  - Profiles for 1) all road crossings, 2) any wash crossing which requires casing, 3) steep sections of water line where the slope exceeds 10%, 4) any area where the waterline is not at standard bury depth and 5) flow lines of deep ditch lines or drainages
- d. Water Services
  - Routing of service line with "dots" designating location of curb stop, meter, and corporation or domestic stop as applicable
  - Use appropriate symbol from the “tool palette” and assign line type to the W/S layer

## 3. Sewer

- a. Manholes and Cleanouts
  - Ground, rim and invert (in and out) elevations
  - Distances between manholes and/or cleanouts
  - Number & type of each manhole and cleanout.

b. Sewer main

- Materials, type of joints, size, length, SDR, class, schedule, slope, etc.

c. Sewer Services

- Service/main connection location distances from a downstream manhole or stationing
- Routing of the sewer service line, indicating the cleanouts with "dots" use symbol from tool palette

d. Lift Stations

- Site map information similar to that of a well site
- Elevation and plan view with pump type, make, capacity, total discharge head (show both static and dynamic heads), voltage, phase, and horse power

e. Force mains

- Proposed pipeline marker locations on the plans (when appropriate)
- Nominal pipe size, material, type of joints, class, pressure rating, etc. (Example: 6" DI, Class 51, 350 psi, integral bell)
- Description and location of elbows, valves, reducers, and cleanouts
- Profiles for all road crossings, any wash crossing which requires casing, steep sections of force main where the slope exceeds 10% or any area where the force main is not at standard bury depth

E. Civil Site Plan and Elevation Views

1. Water Source

- a. Site plan of the well and/or pump house/washeteria, proposed grading plan, drainage, access and power source
- b. Date of construction, contractor, well number, and surface elevation
- c. Depth and size of bore hole
- e. Size, depth, type, and location of casing
- f. Length, location, type, and slot size of screen, if applicable
- g. Gradation of gravel pack, if applicable
- h. Depth of grout envelope
- i. Static water level and date of measurement
- j. Make, model, horsepower, voltage, phasing, full load amperage of pump(s), and elevation of the pump probes. Actual or estimated pumping depth for the planned pumping rate.
- k. Depth of setting of the water level indicator and type

- l. Type and size of drop pipe and size of submersible cable
- m. Type, size, etc., of a pitless unit, if applicable

## 2. Water Storage Tank

- a. Size of the tank including the thickness of the floor, wall, and roof members
- b. Tank manufacturer
- c. Paint system and paint/primer brands used on the tank.
- d. Map of operational valves, fencing, surface drainage plan, and maintenance access
- e. Telemetry or controls if applicable
- f. Elevations of floor, inlet, outlet, overflow, and probes, if used
- g. Details of complex features such as controls, cathodic protection, if applicable
- h. Details of the foundation
- i. Overflow and drain locations and erosion protection

## 3. Pump House/Washeteria/Water Treatment Facility/Lift Station

- a. Building footing drain and discharge location
- b. Finish floor elevations
- c. Site plan of the building site, road access with curve radius, buried utilities, surface drainage, ditching, fencing, danger trees/site clearing, etc.
- d. Elevation view with classified fill, excavation limits, compaction, etc.

## 4. Wastewater Treatment System

- a. Site plan showing drainage and horizontal dimensions
- b. Side slopes, wave protection detail
- c. Number of cells, surface area per cell, maximum liquid volume per cell, and depth of cells
- d. Piping sizes and materials
- e. Fence and gate location and sign detail
- f. Location and lengths of inlet and outlet structures
- g. Locations of liquid level control structures, over-flow lines and surface drainage ditches, and sewage flow routing
- h. Elevations of top of berm, lagoon floor, overflow structure, and inlet(s)

## 5. Individual Site Plans

- a. Site plan, drawn to visual scale, for each structure served including homeowner name, house number, if appropriate, and a north arrow.
- b. Water Service
  - Service saddle location
  - Size, length, and type of service line materials used



- Appurtenances (curb stop, meter can, and domestic stop) tied to dwelling corners if within 100 feet
- c. Sewer Service
  - Cleanout locations
  - Size, length, and type of pipe used
- d. Septic tank and drainfield
  - Size of the septic tank and the material it is made of
  - Tie to the septic tank inspection manhole(s) and the corners of the drainfield to at least two permanent points (i.e., building corners, power poles, trees, etc.) within 100 feet, if available
  - Configuration and depth of the drainfield, and the type of materials used (e.g., 4-inch D3034 PVC, slip-on joint)

## **VIII. Structural Drawings (S Sheets)**

### **A. Structural Legend, Design Criteria and General Notes**

### **B. Structural Plan Views**

1. Foundation plan
2. Floor framing plan
3. Roof framing plan
4. Diaphragm schedule

### **C. Structural Elevations and Sections**

1. Foundation sections
2. Wall sections
3. Shear wall schedule
4. Header elevations and schedule

### **D. Structural Details**

1. Splice details
2. Wall intersections
3. Miscellaneous connections
4. Bracket details
5. Fastener details
6. Anchor details
7. Tie down details

## **IX. Architectural Drawings (A Sheets)**

### **A. Architectural Legend and General Notes**

1. Architectural Plan Views All building and room dimensions
2. Room name and numbering
3. Interior finish schedule
4. Exterior finish schedule
5. Wall Types
6. Door schedule
7. Window schedule
8. Roof plan

9. Code design data
- B. Architectural Elevations and Sections
  1. Front, rear, left side and right side views
  2. Wall sections
  3. Foundation sections
  4. Bathroom/Laboratory/Treatment room/etc. elevations
  5. Cabinet elevations
- C. Architectural Details
  1. Headers (internal and external)
  2. Sills (internal and external)
  3. Jams (internal and external)
  4. Door frame schedule
  5. Handrails and guard rails
  6. Cabinet details
  7. Stair and landing details
  8. Ridge detail
  9. Eave detail
  10. Rake detail
  11. Valley detail
  12. Vent detail
  13. Vapor barriers
  14. Window seal
  15. Insulation
  16. Access hatch

## **X. Plumbing Drawings (P Sheets)**

- A. Plumbing Legend and General Notes
- B. Plumbing Equipment Schedule
- C. Plumbing Plan Views
- D. Plumbing Elevation Views and Sections
  1. Plumbing Isometrics
- E. Plumbing Details
  1. Equipment details
  2. Equipment mounting
  3. Equipment locations
  4. Piping installation
  5. Piping supports

## **XI. Process Drawings (D Sheets)**

- A. Process Diagram Legend
- B. Treatment Process Diagram and Operational Narrative
- C. Treatment Piping and Instrumentation Diagram
- D. Heating and Ventilation Process Diagram and Operational Narrative
- E. Heating and Ventilation Piping and Instrumentation Diagram

## **XII. Mechanical Drawings (M Sheets)**

- A. Mechanical Legend and General Notes
- B. Mechanical Equipment Schedule and Operational Description
- C. Mechanical Plan Views
  - 1. Piping plan
  - 2. Heating plan
  - 3. Ventilation plan
- D. Mechanical Elevation Views and Sections
  - 1. Piping Isometrics
  - 2. Equipment elevations and sections
- E. Mechanical Details
  - 1. Equipment details
  - 2. Equipment mounting
  - 3. Equipment locations
  - 4. Piping installation
  - 5. Piping supports
  - 6. Equipment control interface
  - 7. Fuel oil
  - 8. Ducting

## **XIII. Electrical Systems (E Sheets)**

- A. Electrical Legend, Design Criteria and Loads
- B. Electrical Code Analysis and Operation Description
- C. Electrical Equipment Schedule
- D. Electrical Power One Line and Panel List
- E. Electrical Plan View
  - 1. Exterior electrical site plan
  - 2. Power floor plan
  - 3. Electrical control device plan
  - 4. Electrical equipment plan
  - 5. Electrical signal plan
- F. Electrical Elevation Views
  - 1. Electrical panel layout
  - 2. Electrical panel wiring diagram
  - 3. Panel schedule
  - 4. Ladder diagram for all control panels
- G. Electrical Details
  - 1. Panel Faces

## **XIV. Contractor/Shop Drawings (Z Sheets)**

- A. Drawings of water storage tank construction, premanufactured buildings, foundation design, filter construction, or other fabricated equipment
- B. Vendor cut sheets such as pumps, wall mounted instruments or other equipment

## **Proposed Table of Contents (TOC)**

### **Design Analysis Report Water/Wastewater Facilities \_\_\_\_\_, Alaska**

This TOC is general and comprehensive. Use this outline in creating a TOC that is applicable for the planned improvements.

- 1. Executive Summary**
- 2. Introduction**
- 3. Background**
  - 3.1. Location**
  - 3.2. Existing Site Conditions**
    - 3.2.1. Existing Facilities**
    - 3.2.2. Land Status**
- 4. Water Source**
- 5. Site Plan**
- 6. Design Requirements and Considerations**
  - 6.1. Building**
    - 6.1.1. Site Civil and Foundation**
      - 6.1.1.1. Soil Conditions**
      - 6.1.1.2. Select Fill Material and Source**
      - 6.1.1.3. Site Grade**
      - 6.1.1.4. Foundation Type**
    - 6.1.2. Architectural**
      - 6.1.2.1. Building Form**
      - 6.1.2.2. Exterior and Interior Materials**
      - 6.1.2.3. Thermal Envelope (Wall and Roof Systems)**
    - 6.1.3. Structural**
      - 6.1.3.1. Design Criteria**
      - 6.1.3.2. Footings and Structural Members**
    - 6.1.4. Mechanical**
      - 6.1.4.1. Design Criteria**
      - 6.1.4.2. Mechanical Systems and Equipment**
    - 6.1.5. Electrical**
      - 6.1.5.1. Electric Utility's Current Capacity and Conditions**
      - 6.1.5.2. Added Electrical Load**
      - 6.1.5.3. Electrical Service and Equipment**
  - 6.2. Water Storage**
    - 6.2.1. Design Criteria**
    - 6.2.2. Tank Size**
    - 6.2.3. Foundation**
  - 6.3. Water Treatment**
    - 6.3.1. Well Water Quality**



## Design of Manokotak Old Village Sewer Main Repair Project

### Article B1 Administrative Requirements

#### 1.1 General

The contractor shall provide services as identified and authorized by one sequentially numbered Notice to Proceed. The contractor shall not perform services or incur billable expense except as authorized by a NTP.

#### 1.2 Minimum Qualifications

In order for offers to be considered responsive offerors must meet the following minimum qualification requirements. Offerors must state in their cover letter that they meet these requirements.

1. The proposing firm shall be in the business of providing engineering design services and construction administration services for water and wastewater system projects.
2. The project manager shall have at least five (5) years of project management experience.
3. The project manager shall be a current licensed professional engineer in the State of Alaska.
4. The project manager shall have at least five (5) years of design experience as a P.E. in the State of Alaska.
5. The project manager shall have experience with Construction Administration on designs they completed in this time.
6. The offeror shall have experience working in any of the communities served by Village Safe Water or the Alaska Native Tribal Corporation (ANTHC) as listed in the attached Community Water Sewer Improvements Contact List spreadsheet. Experience shall include engineering services for water or wastewater infrastructure.

An offeror's failure to meet these minimum qualification requirements will cause their proposal to be considered nonresponsive and rejected.

#### 1.3 Project Staff

All services must be performed by or under the direct supervision of the following individuals. Replacement of, or addition to, the Project Staff named below shall be accomplished only by prior written approval from the department:

#### Name

#### Project Responsibilities

#### 1.4 Definitions and Project Responsibility

The department's project manager or designee shall be the contractor's main point of contact. The contractor shall not deal directly with other department personnel or the subsequent construction contractor without the project manager's approval.

Department or Contracting Agency

State of Alaska, Department of  
Environmental Conservation, Village Safe  
Water Program

Contractor

Selected Design Contractor

Project Manager

Department Village Safe Water (VSW) Engineer

Construction Contractor

Subsequent Construction Contactor

#### General Terms:

- The Contractor herein is the "Engineer".
- The "Department" is the Owner with the rights and privileges that pertain to the Owner.
- The "Builder" herein refers to a contractor under contract with the Department for services to the project.
- The Engineer shall act as the Department's Representative during construction with respect to the Builder.
- The Engineer shall administer the Builder's contract with the Department to the degree defined herein. Engineer shall act on behalf of the Department only as specifically stipulated herein.
- Construction Administration services includes Assistance during Bidding, Services during Construction, and Services during Closeout and Warranty.

#### 1.5 Project Location and Travel



The project location is Manokotak, Alaska. Travel under the resulting contract shall be in accordance with the State's travel policies [AAM 60 Travel](#). Travel must be pre-approved by the project manager.

#### 1.6 Schedule

The RFP schedule set out herein represents the State of Alaska's best estimate of the schedule that will be followed. If a component of this schedule, such as contract execution, is delayed, the rest of the schedule may be shifted accordingly. Calendar days are used unless otherwise noted.

<b>Event/Deliverable</b>	<b>Event or Deliverable Deadline:</b>
Contract execution/Notice to Proceed (NTP)	Estimated June 1, 2024
Tech Memo Conventional Treatment options	N/A
Design Analysis Report and 35% Drawings	20 weeks after NTP
65% Drawings	12 weeks after DAR
95% Drawings	8 weeks after 65%
Issue NTP for Phase 2	8 weeks after 65%
Finalize Permitting	2 weeks after 95%
100% Drawings, Approval to Construct (ATC)	8 weeks after 95%
Construction Start	2 months after ATC
Construction Complete	12 months after construction starts

#### 1.7 General Standards

The contractor shall perform all services in accordance with applicable codes, regulations and standards, professional practice procedures, and commonly recognized construction methods. The contractor shall consider the geographical location, intent of the project and any site specific constraints when performing work.

#### 1.8 Unit of Measure

The contractor shall use U.S. Customary units of measure throughout the project.

#### 1.9 Professional Registration

All reports, plans, specification, estimates and similar work products provided by the contractor shall be prepared by or under the supervision of the Registered Alaskan Engineer or Architect in responsible charge for the services. These Engineers or Architects shall be currently registered in the State of Alaska and they shall sign, seal and certify as to the accuracy of each final work product for which they are responsible.

#### 1.10 Billing Reports

The contractor shall provide a two-page (typical) report with each monthly billing for months in which services are performed. The report shall specifically describe the services and other items for which the billing is submitted, and shall estimate the percent the services are complete. Any delayed costs from previous billing periods that are included in the current billing must be clearly explained in the report.

#### 1.11 Correspondence

All correspondence prepared by the contractor shall bear the department's assigned project name and numbers (State & Federal).

#### 1.12 Documents and Reports

Documents and Reports shall be printed with solid black letters that are double spaced on white, 8.5 inch x 11 inch bond or "Xerox Copy" paper. Other size paper may be used for illustrations if they are folded to 8.5 inch x 11-inch size. Original documents and reports shall be printed on one side of the paper only and shall be ready for copying. Documents and reports shall have no black and white photographs, color photographs, or multicolored graphics except as specifically approved by the Contracting Agency. Original, camera ready, copies of final documents and reports shall be submitted to the Contracting Agency for a check before printing.

#### 1.13 Copies

When the Contract calls for multiple copies of documents or reports, the copies shall be printed on both sides of the paper. However, the cover and pages with approved illustrations, multicolored graphics, or photographs shall be printed on one side of the page only. All copies - except for originals - shall be bound.

#### 1.14 Page Numbers

All documents shall be page numbered to allow every major Section, Chapter, Appendix, etc., to begin on a "right hand," odd numbered page.

#### 1.15 Covers

The cover of all documents and reports shall include the following information:

- a. Name of document or report.
- b. Date.
- c. Indicate whether draft or final.
- d. Project Name.
- e. State and Federal Project Number(s).
- f. Prepared for: Department of Environmental Conservation, Village Safe Water Program.
- g. Prepared by:
- h. Map and/or picture of project area.

#### 1.16 Contractor Name on Plan Sheets and Documents

No contractor logos shall be allowed on any electronic or hard copy document produced for the department. The contractor company name shall be included in the box above or below the engineer's seal on each plan sheet. Documents produced for the department shall include the contractor's company name at the bottom right of the first page, cover sheet or title sheet only. Contractor letterhead shall be allowed only as exhibits in document appendices. The contractor name shall be in the same font as other lettering on the plan sheet or document, shall be 1/16" or less in height on 11"x17" plan sheets, and shall be in the following format:

PLANS DEVELOPED BY:  
COMPANY NAME  
ADDRESS  
TELEPHONE NO.  
CERTIFICATION OF AUTHORIZATION NO.

#### 1.17 Plans, Maps, and Plats

Plans, Maps, and Plats shall be submitted with solid black ink on 11 x 17 inch bond paper. Submit final drawings on 11 x 17 inch bond paper and in pdf format. Digital Copies

The department uses Microsoft Windows (Word, Excel) and AutoCAD Civil 3D 2016 software. The contractor shall submit all digital files in formats fully compatible with the department's software. Formal submittals shall be on CD-R(W) or as approved by the department. Provide informal digital submittals as approved by the department.

#### 1.18 Drafting

Design submittal plan sets shall be provided as PDF. The 100% drawings shall be submitted in either Autocad, current format, or DXF format to the department as a resource file. All submissions shall include the Autocad drawing files, or DXF drawing files, on CD ROM discs or thumb drive.

#### 1.19 Specifications and Estimates

Specifications and Estimates shall be submitted with solid black letters that are double spaced on white, 8.5 inch x 11-inch bond or "Xerox Copy" paper. They shall be printed on one side of the paper only and shall be ready for copying. Specifications and estimates shall contain no graphics and no photographs except as specifically approved by the Contracting Agency. All Specifications shall also be submitted on CD ROM discs or thumb drive as document files for Microsoft Word current edition. It is the contractor's responsibility to ensure all document files are virus free.

#### 1.20 Revisions

The Contractor shall modify work products in response to direction from the Contracting Agency. Corrections, adjustments, or modifications necessitated by the review/approval process, but which do not substantially affect the scope, complexity, or character of the services, shall be considered a normal part of the Contractor's services.

#### 1.21 Errors and Omissions

Except as described in this Statement of Services, work products shall be essentially complete when submitted to the Contracting Agency. Work products having significant errors or omissions will not be accepted until such problems are corrected.

#### 1.22 Review Meetings

Following each review the Contracting Agency will provide written comments and may hold a meeting to discuss the issues. The Contractor's personnel who are in-responsible-charge for the work products under review shall attend the meeting and they may be asked to interpret and provide explanations of the content.

#### 1.23 Comment Resolution

The Contractor shall provide a written response with subsequent submittals that address all written and oral comments from the Contracting Agency. All changes from previous submittals shall be clearly explained.

#### 1.24 Reproduction and Distribution

When the contract requires only the original or only one copy of a work product to be delivered, the Contracting Agency will reproduce and distribute any other copies required. Items delivered for reproduction shall be organized and camera ready for copying and not stapled or otherwise bound.

#### 1.25 Engineer Estimate

The contractor shall provide their best construction estimate for each design phase. The contractor shall not release any information pertinent to the engineer's estimate without the prior written authorization by the department's project manager.

#### 1.26 Cost Effective Design

When developing the design the contractor shall advise the department of any cost effective solutions such as minimum or desirable design criteria.

#### 1.27 Specifications

The contractor shall not specify sole source materials unless the department first obtains a sole source approval. The contractor shall not specify brand name materials unless a minimum of three (3) are named, and if "Department approved equivalent" is used, specify the criteria for judging equivalence.

#### 1.28 Attachments

The following are attached to the RFP:

1. Community Water Sewer Improvements Contact List.
2. VSW Basic Plan Set Requirements.
3. VSW Design Analysis Report Table of Contents.

The following attachments will be sent to offerors via ZendTo:

4. Old Village of Manokotak Water and Wastewater Facility Study.

## **ARTICLE B2 BACKGROUND & SCOPE OF SERVICE**

### **Background:**

The City of Manokotak (community) is located on the east bank of the Igushik River, 25 miles west of Dillingham. The community owns and operates two separate water and two sewer systems, in two distinct areas of the community, approximately 5 miles apart; 'Old Manokotak' (also referred to locally as the 'Old Village'), and the 'Manokotak Heights' area. This project is located in 'Old Manokotak,' which has a served population of 293.

The community's original water and sewer system was constructed in the 1970s and utilized five sewage drain fields for wastewater treatment. In the 1980s, the sewer system was expanded with new sewer mains and service lines, and installation of a sewage lift station, force main, and wastewater lagoon. The drain fields were abandoned. In the 1990s, the sewer system was modified further with extension of the gravity sewer mains, along with replacement of the sewage lift station with a new lift station, and installation of an 8,000 gallon settling tank ahead of the lift station.

In 2012, a feasibility study report was written on ways to improve the community's water and wastewater systems. The report identified significant problems in the system including deteriorating manholes, flat grade in the sewer main, the aging lift station, and issues with the 8,000 gallon settling tank.

### **Scope of Service:**

On behalf of the community, The State of Alaska, Department of Environmental Conservation, Village Safe Water Program (department) is soliciting a Request for Proposals (RFP) for a contractor to design repairs and upgrades to the sewer collection system per the recommended alternative in the Old Village of Manokotak Water and Wastewater Facility Study. This work shall include replacing approximately 240 linear feet (LF) of sewer main, rehabilitating or replacing 32 manholes, removing an 8,000 gallon settling tank, rehabilitating the existing lift station and replacing lift station pumps.

## **PHASE I – Design and Specification Development**

### **2.1 Design and Specification Development**

#### **Task 1 – Review Meetings:**

A VSW design review team shall review each design phase submittal. A design review meeting shall be held with the Engineer. In order to expedite the design, comments will be incorporated concurrently with design work. Design production schedule is critical so anything holding up progress, shall be a priority to resolve. The Engineer shall respond to and incorporate design review comments as follows:

- a. Pre-Meeting Comment Responses. The department will provide the contractor a list of compiled comments two (2) days before each review meeting. The contractor shall provide preliminary responses to the comments before the review meeting to facilitate a quicker review.
- b. Post-Meeting Comment Resolution. The contractor shall revise any draft responses pursuant to the design review meeting determination.
- c. The contractor shall incorporate changes as reflected in the comments and responses in the next design phase submittal.
- d. At the DAR and 35% stage the contractor shall facilitate a **design presentation discussing the DAR and 35% plans** to the community and VSW.
- e. At the 65% stage the contractor shall facilitate a design presentation to the community and VSW. This shall include 3rd party review of process, Civil, Mechanical, Electrical, Control, Structural, and Architectural. Any questions or concerns during this meeting shall follow the above procedure a. – c.
- f. At the 95% **stage** ~~state~~ the contractor shall facilitate a design presentation to the community and VSW. This shall include 3rd party review of Mechanical, Electrical, Control, Structural, and Architectural. The contractor shall discuss any issues with plan review or permitting.

#### **Task 1 – Review Meetings Deliverables**

Document Type	Format
Pre-Meeting Comment Responses	Emailed Microsoft Excel
Post Meeting Comment Resolution	Emailed Microsoft Excel

#### **Task 2 – Preliminary Design Technical Memo:**

A technical memo is not currently needed. The department may amend the contract to include a Technical Memo.

#### **Task 2 – Technical Memo Deliverables**

Document Type	Format
Technical Memo	PDF Emailed PDF

### Task 3 – Design Analysis Report (DAR):

The contractor shall prepare and finalize a DAR. The purpose of the DAR is to further develop the selected alternative in the PER by analyzing and documenting design approach, design requirements, and construction considerations. The DAR must follow the attached DAR table of contents.

#### Task 3 – DAR Deliverables

Document Type	Format
DAR	Emailed PDF

### Task 4 – 35% Submittal:

The contractor shall provide the following submittals at the 35% design phase.

1. 35% Plans (the following is a list of sheets). Plans in Hand (PIH) Description. Prepare draft contract documents addressing the primary elements of the project. Provide preliminary plans for project manager review that is at least 35% complete.
  - General Sheets.
  - Site Plan.
  - Survey Sheets.
  - Geotechnical sheets.
  - Conceptual Layout.
  - System Schematics.
  - Civil Sheets.
  - Conceptual Mechanical, if required.
  - Conceptual Electrical, if required.
2. 35% Design Plan Review meeting. See Task 1 – Review Meetings, d. ~~The contractor shall schedule and facilitate a meeting with the department and the community. The contractor will discuss the DAR and 35% design.~~

#### Task 4 – 35% Submittal Deliverables

Document Type	Format
Draft Design Drawings	Emailed PDF
Review Meeting and Responses	See Task 1 deliverable format

### Task 5 – 65% Submittal:

The contractor shall provide the following submittals at the 65% design phase.

1. Submittal includes draft bid ready plans and specifications and shall conform to the attached Basic Plan Set requirements. The 65% submittal shall include the following:
  - General Sheets.
  - Site Plan.
  - Survey Sheets.
  - Geotechnical sheets.
  - Conceptual Layout.
  - System Schematics.
  - Civil Sheets.
  - The Survey, and Civil, shall be substantially complete.
  - The Mechanical, Electrical, and Control sheets may be less advanced and may still require coordination, if required.
2. The 65% submittal shall be in draft form at this stage and shall include draft Division 01 General Requirements.
3. Identify Permitting associated with project:
4. Department Wastewater (WW) Plan Review.
5. General Construction Discharge Permit and Storm Water Pollution Prevention Plan.
6. US Army Corps of Engineers (COE) Permit.
7. Fire Marshall Review.
8. Draft procurement packages for:
  - General Contractor.
  - Other long lead elements.
9. 65% Design Cost Estimate. The contractor shall provide the following cost estimates:
  - Capital.
  - Operation and Maintenance.
10. ~~Community Design Update.~~ 65% Design Review Meeting. See Task 1 – Review Meetings, e.

#### Task 5 – 65% Submittal Deliverables

Document Type	Format
Draft Design Drawings	Emailed PDF
Draft Specifications	Emailed PDF
Draft Construction Schedule including major milestones	Emailed MS Project
65% Cost Estimate	Emailed PDF
Review Meeting and Responses	See Task 1 deliverable format

#### **Task 6 – 95% Submittal:**

The contractor shall provide the following submittals at the 95% design phase.

1. Submittal includes draft bid ready plans and specifications and shall conform to the attached Basic Plan Set requirements. The 95% submittal shall include the following:
  - Plans for all disciplines shall be substantially complete.
2. Construction Environmental Conditions and Permitting submittal to:
  - Department WW Plan Review.
  - Fire Marshall Review.
  - Other permits not listed here.
3. Draft Final Specifications. These shall be well advanced.
4. Final Cost Estimate.
5. Final Construction Schedule.
6. 95% Design Review Meeting. Comments and Responses. See Task 1 – Review Meetings, f.
7. Procurement Package for the General Contractor.

#### **Task 6 – 95% Submittal Deliverables**

Document Type	Format
95% Drawings	Emailed PDF
95% Specifications	Emailed PDF
Adjudicated PIH Review Comments	Emailed PDF
Final Construction Cost Estimate	Emailed PDF
Review Meeting and Responses	See Task 1 deliverable format

#### **Task 7 – 100% Submittal:**

The contractor shall 100% finalize the contract documents based on comments from the review phase. Include the indicated products that were listed for changes in a previous review. Documents will not be accepted until comments have been addressed to the department's satisfaction. Prepare documents that are ready for advertising for construction bids as identified below.

- a. Final Check Set. Provide a final unsigned planset for final comments by the department. Incorporate any comments received into the plans before signing and sealing the final plan sheets.
- b. Engineering Seals. Submit final plan sheets sealed by an appropriate Professional Engineer currently registered in the State of Alaska who is in charge for the project work. Sign plan sheets in blue waterproof ink. Digital signatures will not be accepted.
- c. Issued for Construction Plans.
- d. Final Specifications.

#### **Task 7 – 100% Submittal Deliverables**

Document Type	Format
Final Check Set	Emailed PDF
Final Sealed Plans	Emailed PDF
Final Permits	Emailed PDF

#### **Task 8 – Permitting:**

The contractor shall obtain the following permits, and any other necessary permits identified over the course of the design.

1. Fire Marshall Review.
2. DEC Approval to Construct:
  - Wastewater.
3. SHPO Determination.
4. USACE Wetlands Fill Permit.

#### **Task 8 – Permitting Deliverables**

Document Type	Format
Final Permits	Emailed PDF



## PHASE II – Bidding and Contracting Assistance

### I. Construction Administration services by the Engineer

#### 1) Task 1 – Assistance During Bidding:

The Engineer shall assist the Department as requested during project bidding. Engineer's personnel who were responsible for design drawing and specification development shall be available during this phase.

- a) As requested by the department, the Engineer shall participate in department meetings including but not limited to pre-bid teleconferences and evaluation of bids.
- b) The Engineer shall prepare responses to questions from bidders concerning clarification or interpretations of bidding documents when requested by the Department. The Engineer shall assist the Department with any required bid addenda. The Engineer shall respond and issue documents to the Department within 2 business days to avoid a long solicitation period. The Engineer shall not communicate information about this project with potential bidders. All correspondence and documents shall be through the Department and not directly with a bidder unless authorized by the Department.
- c) The Engineer shall review the Schedule of Values and assess if it is properly proportioned and detailed for the work.
- d) At the discretion of the Department, the Engineer shall review the Builder's list of subcontractors as provided by the Builder, which list is typically provided within five days of issuance of the Apparent Low Bidder. The Engineer shall promptly apprise the Department if it deems the Builder's subcontractors satisfactory or unsatisfactory in their respective areas of building expertise.
- e) Within one month after bid opening the Engineer shall submit the conformed drawings and specification.

#### Task 1 – Assistance During Bidding Deliverables

1. As needed department meetings.
2. Assistance during bidding to include interpretation, clarification and change order documents and review and approve shop drawings.

#### 2) Task 2 – Engineering Services During Construction

These services are provided after the Builder's contract with the Department has been executed and ends when the services hereunder are complete or the period of performance has lapsed.

- a) Communication:
  - i. Meetings: The Engineer shall facilitate regular meetings with the Builder and the Department to provide project updates and address conditions or events that may affect schedule or price. During construction, "regular" is weekly.
  - ii. Monthly reports: Engineer shall summarize progress and expenditures monthly. It is anticipated that this would follow or coincide with the Builders progress payment.
  - iii. Routine or special reports and photos provided by the Builder to the Engineer on a daily, weekly, or intermittent basis, shall in turn be made available to the Department directly or through appropriate software.
- b) Submittal Review Services: The Engineer shall promptly review material submittals, shop drawings, test results, samples and other submissions provided by the Builder for conformance with the design specifications and drawings. As required by the specifications, the Engineer shall approve or not approve submittals requiring acknowledgment or approval, and file submittals for the record.

The Engineer shall maintain a submittal log and shall promptly notify the department concerning submittals, or lack of submittals, which may delay construction progress. The Engineer shall use the following convention when responding to submittals:

- i. "No Exceptions Taken" – denotes the submittal is generally consistent with the requirements of the contract documents. A resubmittal is not required.

- ii. “Make Corrections Noted” – denotes the submittal is generally consistent with the requirements of the contract documents but only as conditioned by notes and corrections made on the submittal. A resubmittal is not required.
- iii. “Rejected” – denotes that the submittal does not meet the requirements of the contract documents. The department will indicate on the returned submittal deficiencies that must be remedied. A resubmittal is required.

The Engineer shall make submittals and associated approval correspondence available through appropriate software to the Department.

c) Design Clarification and Variation Requests (DCVRs) and Requests for Information (RFIs):

- i. The Engineer shall respond to Department DCVRs and RFIs submitted by the Builder regarding the design specifications and drawings. The Engineer shall prepare appropriate clarifications and instructions or modifications to the contract documents as required and submit to the Department.
- ii. The Engineer shall not approve variation requests that affect site utilization, and or increase cost or schedule without consultation with the Department.

d) Delay by Engineer Avoided:

The Engineer shall respond and issue documents to the department in a timely manner to avoid project delays or stoppage. The Engineer shall provide all responses within 7 calendar days to the department. The Engineer shall notify the department if more time is needed within 2 calendar days of receiving initial request from the department.

e) Progress Site Visits:

- i. Engineer shall make work site visits at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Builder’s executed work. Based on information obtained during such visits and observations, Engineer, for the benefit of Department, will determine, in general, if the work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the work. Engineer’s efforts will be directed toward providing for Department a greater degree of confidence that the completed work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer shall keep Department informed of the progress of the work and will endeavor to guard Department against defective work.
- ii. Engineer shall provide written (digital) trip reports while at the work site highlighting progress, issues, and including annotated photos.
- iii. During Site Visits and in the course of observations of Builder’s work, Engineer shall not supervise, direct, control, or have authority over or be responsible for Builder’s means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Builder to comply with Laws and Regulations applicable to the performance of the work.

f) Observation and Inspection of the work:

- i. The Engineer shall observe the work for conformance with the contract documents for progress payment approval.
- ii. Acceptability of work: Engineer will render decisions regarding the requirements of the contract documents, and judge the acceptability of the work. (In rendering such decisions and judgments, Engineer will not show partiality to Department or Builder, and will not be liable to Department, Builder, or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.)
- iii. Additional Inspections: Engineer has authority to require inspections or testing if in the opinion of the Engineer they are required.
- iv. Concealed Conditions: Engineer shall investigate and make recommendations to the Department regarding concealed conditions.

- v. Defective Work: Engineer has the authority to determine whether work is defective, and to reject defective work.
  - vi. Stopping the Work: The Engineer does not have authority to stop work. The Engineer may recommend such to the Department.
  - vii. Performance: Interprets and decides matters concerning performance.
- g) Inspections, Testing, and Commissioning:
- i. Substantial Completion: Engineer conducts inspections for, determines the date of Substantial Completion, and issues a *Substantial Completion Punch List* pursuant to such inspection.
  - ii. Final Completion: Engineer conducts inspections for, determines the date of, and provides a notice of Final Completion.
  - iii. Special Inspections and Systems Commissioning: Engineer shall perform special inspections and testing as required in the specifications. Engineer shall observe commissioning to confirm system performance as provided in the specifications. Engineer shall provide a commissioning or performance report.
- h) Changes: Engineer shall recommend and draft changes to the Contract Documents as required:
- i. Recommends and prepares Change Orders and construction Change Directives to be approved, formalized, and executed by the Department.
  - ii. Approves or directs changes that do not affect price, scope of work or schedule, and reports them to the Department.
  - iii. Serves as initial decision maker in responding to claims and promptly communicates such to the Department.
- i) Processing Pay Applications:
- i. The Engineer shall review and certify payment requests from the Builder. If certified, the payment requests shall be forwarded to the Department for final approval and payment. If not certified, the Engineer shall inform the Builder and the Department.
  - ii. The Engineer shall maintain a record of payment requests, cumulative payment, and retainage.

#### Task 2 – Engineering Services During Construction Deliverables

1. Weekly meetings
2. Monthly Reports
3. As needed Special Reports
4. Submittal Review
5. Submittal Log
6. DCVR and RFI Review and Response
7. As needed Progress Site Visits
8. Observation and Inspection of the Work
9. Inspections, Testing, and Commissioning
10. Change Order review
11. Processing Pay Applications

### 3) Task 3 – Services during Closeout and Warranty

- a) Substantial Completion: The Engineer shall determine Substantial Completion.
- The Engineer shall confirm that the following submittals and requirements have been met prior to determining the date of Substantial Completion.
- i. Operation and Maintenance submittals and data have been provided by the Builder;

- ii. Satisfactory performance of facility systems has been demonstrated by the Builder, including commissioning, testing, and training of the facility operators;
  - iii. Evidence bearing on the Record Documents has been provided by the Builder as required in the Contract Documents.
- b) Final Completion The Engineer shall determine Final Completion.
- i. The Engineer shall confirm that the Substantial Completion punch list has been completed.
  - ii. The Engineer shall review and certify (when the application is complete) final application and payment. Because of need to reconcile unit prices, stipulated payments, Engineering costs associated with failed tests, or other Builder contract provisions that affect price, final payment may include a final change order. The Engineer shall draft the substance of the final change order, and submit it to the Department to execute.
- c) Closeout:
- i. The Engineer shall obtain final permitting and close permitting which has been issued to the Department, on behalf of the Department.
  - ii. The Engineer shall compile operation and maintenance manuals from information provided by the Builder and draft an Operation and Maintenance manual that is readily understandable by key operations stakeholders.
  - iii. The Engineer shall execute and stamp Record Drawings.
- d) Warranty:
- i. The Engineer shall act on behalf of the Department in regards to issues that come up during the course of Warranty period, which may be 1 or 2 years subject to provisions in the Builders contract.

Task 3 – Services during Closeout and Warranty Deliverables

- 1. Substantial Completion
- 2. Final Completion
- 3. Closeout
- 4. Warranty