

ADDENDUM #2

KITSAP COUNTY PUBLIC WORKS WASTEWATER DIVISION SILVERDALE CONVEYANCE SYSTEM AND PUMP STATION 4 UPGRADES

February 6, 2023

TO: All Respondents
FROM: Glenn McNeill, Buyer
CLOSING DATE: February 23, 2023 at 3:00 p.m.
REF: Formal Bid Contract 2023-001
DATE: February 6, 2023

The purpose of this addendum is to modify the Contract Documents for the referenced project. This addendum shall become a part of these Contract Documents. Bidder shall acknowledge receipt of this 23-page addendum (including attachments) on the bid form.

VOLUME 1 OF 3 OF THE CONTRACT DOCUMENTS IS MODIFIED AS FOLLOWS:

INVITATION TO BID

Item 1. ADD the attached Mandatory Pre-Bid Meeting Attendance List to the Contract Documents.

BID PROPOSAL

Item 2. REVISE Bid Schedule B, Item No 18B Permanent HMA Cl. 1/2-inch PG 64-22 Pavement as follows:

18B Permanent HMA Cl. 1/2-inch PG 64-22 Pavement ~~640 tons~~ 660 TN.

SECTION 1-02.1(2) SUPPLEMENTAL BIDDER RESPONSIBILITY CRITERIA

Item 3. REVISE the first paragraph of Section 1-02.1(2) Supplemental Bidder Responsibility Criteria to read as follows:

“In addition to the bidder responsibility criteria above, the bidder and/or bidder’s subcontractor must meet the following relevant supplemental bidder responsibility criteria applicable to the project.”

SECTION 22 13 29.16 SUBMERSIBLE WASTEWATER PUMPS

Item 4. REVISE Section 22 13 29.16 Part 2.A.1 to read as follows:

“Flygt – NP ~~3231/745 3~480~~ 3315.095 MT 3 634.”

SECTION 26 29 23 VARIABLE FREQUENCY MOTOR CONTROLLERS

Item 5. REVISE Section 26 29 23, ADD Part 2.01.A.5 after last sentence to read as follows:

“5. Rockwell Automation (Allen-Bradley): PowerFlex 755.”

VOLUME 3 OF 3 OF THE CONTRACT DOCUMENTS IS MODIFIED AS FOLLOWS:

Item 6. REVISE Drawing G-1, replace Drawing G-1 with the signed version that is attached to this addendum.

Item 7. REVISE Drawing E-5C, revise the conduit tag from the MCP as “807” instead of “8”.

Item 8. REVISE Drawing E-30C, add tags 9 and 10 to the “CIRCUIT SCHEDULES POWER CIRCUITS” table as follows:

TAG	CONDUIT	CONDUCTORS	FROM	TO
9	1"	3#10 & 2#14 & 1#10G	MCC C	ODOR CONTROL FAN
10	¾"	1#10 & 2#14 & 1#10G	MCC C	SUPPLY FAN (SF-1)
			MCC C	EXHAUST FAN (EF-1)

Item 9. REVISE Drawing E-30C, Delete the “SIGNALS CIRCUITS” table from Drawing E-30C.

Item 10. ADD Drawing E-32C SIGNAL CIRCUITS, Add the following table in its entirety to Drawing E-32C:

SIGNAL CIRCUITS						
ID	MIN.	CKT A	MIN.	CKT B	FROM	TO
501	1-1/4"	15#14	1"	1-CAT6(600V) & 1-2/C#16STP	VFD PUMP 1	MAIN CONTROL PANEL
502	1-1/4"	15#14	1"	1-CAT6(600V) & 1-2/C#16STP	VFD PUMP 2	MAIN CONTROL PANEL
503	1-1/4"	15#14	1"	1-CAT6(600V) & 1-2/C#16STP	VFD PUMP 3	MAIN CONTROL PANEL
504			1"	1-2/C#16STP	MOTOR TERMINAL JUNCTION BOX PUMP 1	MAIN CONTROL PANEL
505			1"	1-2/C#16STP	MOTOR TERMINAL JUNCTION BOX PUMP 2	MAIN CONTROL PANEL
506			1"	1-2/C#16STP	MOTOR TERMINAL JUNCTION BOX PUMP 3	MAIN CONTROL PANEL
601	1"	7#14			UTILITY SWITCHBOARD	MAIN CONTROL PANEL
602	1-1/4"	10#14 & 2#10			MOTOR CONTORL CENTER "MCC A"	MAIN CONTROL PANEL
603	1-1/2"	18#14 & 2#10	1"	4-CAT6(600V)	MOTOR CONTORL CENTER "MCC C"	MAIN CONTROL PANEL
604	1-1/2"	18#14 & 2#10	1"	4-CAT6(600V)	MOTOR CONTORL CENTER "MCC C"	MAIN CONTROL PANEL
605	1-1/4"	10#14 & 2#10			MOTOR CONTORL CENTER "MCC B"	MAIN CONTROL PANEL

SIGNAL CIRCUITS						
ID	MIN.	CKT A	MIN.	CKT B	FROM	TO
606	1"	12#14 & 2#12	1"	1-FFT10 & 1-CAT6	AUTOMATIC TRANSFER SWITCH "ATS A"	MAIN CONTROL PANEL
607	1"	12#14 & 2#12	1"	1-FFT10 & 1-CAT6	AUTOMATIC TRANSFER SWITCH "ATS B"	MAIN CONTROL PANEL
608	1"	12#14 & 2#12	1"	1-FFT10 & 1-CAT6	DIESEL ENGINE GENERATOR	MAIN CONTROL PANEL
609	1"	2#10 & 2#12 & 1#10G			DIESEL ENGINE GENERATOR	ATS A
610	1"	2#10 & 2#12 & 1#10G			DIESEL ENGINE GENERATOR	ATS B
611			3/4"	1-FFT10 & 2#12 & 1#12G	DIESEL ENGINE GENERATOR REMOTE DISPLAY	MAIN CONTROL PANEL
612	3/4"	2#14			ENGINE GENERATOR CIRCUIT BREAKER "GEN A"	MOTOR CONTROL CENTER "MCC A"
613	3/4"	4#14			ENGINE GENERATOR CIRCUIT BREAKER "GEN B"	MOTOR CONTROL CENTER "MCC B"
614	3/4"	2#14			ENCLOSED CIRCUIT BREAKER "TLACB"	MAIN CONTROL PANEL
615	3/4"	4#14			MOTOR CONTROL CENTER "MCC A"	UTILITY SWITCHBOARD
616	3/4"	4#14			MOTOR CONTROL CENTER "MCC B"	
701			1"	1-2/C#16STP	FORCE MAIN PRESSURE TRANSMITTER	MAIN CONTROL PANEL
702	3/4"	4#14 & 1#14G	1"	1-CAT6 & 2-2/C#16STP	FLOW METER TRANSMITTER	MAIN CONTROL PANEL
703	1-1/2"	11#14 & 2#12 & 1#12G	1"	1-2/C#16STP	BACKUP FLOAT CONTROL PANEL	MAIN CONTROL PANEL
704	3/4"	2#14			TELEMETRY PANEL	BACKUP FLOAT CONTROL PANEL
705	3/4"	2#14 & 1#14G			VALVE ROOM FLOOD SWITCH	BACKUP FLOAT CONTROL PANEL
706	1-1/4"	18#14	1"	3-CAT6 & 2-2/C#16STP	TELEMETRY PANEL	MAIN CONTROL PANEL
707			1"	1-CAT6 & 2#12 & 1#12G	EXTERIOR CELLULAR MODEM PANEL	TELEMETRY PANEL
708	1"	7#14 & 1#14G			GO/NO-GO	MAIN CONTROL PANEL
709	3/4"	3#14 & 1#14G			PIPING ROOM DOOR SWITCH	MAIN CONTROL PANEL
710	3/4"	3#14 & 1#14G			ELECTRICAL ROOM (SINGLE DOOR) SWITCH	MAIN CONTROL PANEL
711	3/4"	3#14 & 1#14G			ELECTRICAL ROOM (DOUBLE DOOR) SWITCH	MAIN CONTROL PANEL
712	3/4"	4#14 & 1#14G			PARTICULATE DETECTOR	MAIN CONTROL PANEL

SIGNAL CIRCUITS						
ID	MIN.	CKT A	MIN.	CKT B	FROM	TO
801	3/4"	4#14 & 1#14G			HVAC UNIT HEATER UH-1 THERMOSTAT	HVAC UNIT HEATER UH-1
802	3/4"	3#14 & 1#14G			HVAC AIR FLOW SWITCH EXHAUST	MAIN CONTROL PANEL
803	3/4"	3#14 & 1#14G			HVAC AIR FLOW SWITCH SUPPLY	MAIN CONTROL PANEL
804	3/4"	4#14 & 1#14G			HVAC BATHROOM HEATER THERMOSTAT	HVAC BATHROOM HEATER
805	1"	6#14 & 1#14G			HVAC HEAT PUMP OUTDOOR UNIT CU-1	HVAC HEAT PUMP INDOOR UNIT
806	3/4"	2#14 & 1#14G			HVAC EXHAUST FAN	MAIN CONTROL PANEL
807	3/4"	2#14 & 1#14G			HVAC SUPPLY FAN	MAIN CONTROL PANEL

ATTACHMENTS FOR ADDENDUM #2

- Item 11. Mandatory Pre-Bid Meeting Attendance List
- Item 12. Revised Bid Schedule
- Item 13. Revised Section 1-02.1(2), page 1-4
- Item 14. Revised Section 22 13 29.16, page 2
- Item 15. Revised Section 26 29 23, page 3
- Item 16. I
- Item 17. Revised Drawing E-5C
- Item 18. Revised Drawing E-30C
- Item 19. New Drawing E-32C

End of Addendum #2

Kitsap County Public Works Wastewater Division

RFP 2023-001

Silverdale Conveyance System & Pump Station 4

Prebid Sign-In Sheet

Friday, January 25, 2023 @ 10:00am

PLEASE WRITE LEGIBILITY – PLEASE LEAVE BUSINESS CARD

Name	Company	Phone	Email
Rob Harris	SCI	360-801-1255	robert.harris@scibuilds.com
KEITH LARSON	Rodarte	509 222 4072	Keith@Rodarteconstruction.com
KEVIN DURANT	"		
JOHN ELLIS	"	253 632 2737	JOHN@Rodarteconstruction.com
DAVID BENNY	REDSIDE	206 317 6400	SAMUEL@REDSIDE.BIZ
TYSON INGOLBE	James W Fowler	360 520 3326	tysoni@jwfw.com
CLINT MYERS	NORTHWEST CASCADE	253-405-5063	CLINT@NWCASCADE.COM
Paddy Worthington	NW Cascade	253-405-6891	PaddyW@NWCascade.com
Leto Luppino	Titan Earthwork	206-325-3004	estimating@titanearth.com
Jack Campbell	Ceccanti	253-377-4983	jack@ceccanti.com
Jacob Rubert	Nisqually Construction SERVICES	253-318-1824	estimating@nisquallyconstruction.com
TEJAS THAKUR	Prospect Construction	253-329-6013	tthakur@prospectconst.com
COREY GALLIGAN	ORION MARINE CONSTRUCTION	253-202-9881	cgalligan@orionmarinegroup.com

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Kitsap County Public Works Wastewater Division

RFP 2023-001

Silverdale Conveyance System & Pump Station 4

Prebid Sign-In Sheet

Friday, January 25, 2023 @ 10:00am

PLEASE WRITE LEGIBILITY – PLEASE LEAVE BUSINESS CARD

Name	Company	Phone	Email
Jason Kuetz	United Fluids	425 467 2424	jkuetz1@ur.com
Brad Peistrup	TSI	425-678-4170	brad@tsicontrols.com
Joe Kael	TSI	425-678-4158	Joek@tsicontrols.com
MIKE BRAUG	NORTHOP CONSTRUCTION	425-667-5814	MIKE B@HARBORPACIFIC.COM
Bradley Appleman	Pape & Sons Construction	253 851 6040	brada@PapeINC.com
Ed Hagedorn	STELLAR J CORP	360.225.7996	BIDS@STELLARJ.COM
Rick McKenna	Rain for Rent	360-399-3486	Rmckenna@ RainforRent.com
ROB ROTHBAUER	RFR	(360)739-1541	rrothbauer@ RFRCORP.COM
Greg Mathews	Mathews Electric	360-598-1450	greg@mathewselectric.net
Ed Stafford	Triton Marine	(360)373-7090	estafford@ tritonmarine.us
MARK SHERBESMAN	McCLUNE AND SONS	425- 225 ³¹⁶ -6999	BIDS@MCCLUNERANDSONS .COM

BID SCHEDULE

SCHEDULE A – FREDRICKSON ROAD NW AND PUMP STATION 4 FORCE MAIN UPGRADES

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
1A. Preconstruction Work Phase	1 LS	_____	\$ _____	\$ _____
2A. Final Cleanup and Restoration	1 LS	_____	\$ _____	\$ _____
3A. Surveying	1 LS	_____	\$ _____	\$ _____
4A. Project Record Drawings*	1 LS	_____	\$ _____	\$ _____
5A. Type B Schedules†	3 MO	_____	\$ _____	\$ _____
6A. Minor Change and Additions (Allowance)*	1 FA	<u>Seventy Thousand Dollars and No Cents</u>	<u>\$70,000.00</u>	<u>\$70,000.00</u>
7A. Mobilization and Demobilization	1 LS	_____	\$ _____	\$ _____
8A. Temporary Traffic Control	1 LS	_____	\$ _____	\$ _____
9A. Temporary Erosion and Sediment Control	1 LS	_____	\$ _____	\$ _____
10A. Removal of Structures and Obstructions	1 LS	_____	\$ _____	\$ _____
11A. Trench Safety Systems	1 LS	_____	\$ _____	\$ _____

* The lump sum for this bid item shall be at least 0.5% of the total bid amount for Schedule A.

† The unit price for this bid item shall not be less than \$500.00 per month for Schedule A.

SCHEDULE A – FREDRICKSON ROAD NW AND PUMP STATION 4 FORCE MAIN UPGRADES

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
12A. Extra Trench Excavation (Allowance)*	200 CY	_____	\$ _____	\$ _____
13A. Gravel Backfill for Foundations (Allowance)*	160 TN	_____	\$ _____	\$ _____
14A. Crushed Surfacing Base Course	500 TN	_____	\$ _____	\$ _____
15A. Crushed Surfacing Top Course	250 TN	_____	\$ _____	\$ _____
16A. Imported Trench (Subsequent) Backfill	1,800 TN	_____	\$ _____	\$ _____
17A. Temporary HMA Cl. ½-inch PG 64-22 Pavement	200 TN	_____	\$ _____	\$ _____
18A. Permanent HMA Cl. ½-inch PG 64-22 Pavement	590 TN	_____	\$ _____	\$ _____
19A. Controlled Density Fill (CDF) (Allowance)*	30 CY	_____	\$ _____	\$ _____
20A. Cement Concrete Curb, Gutter, Sidewalk, & Ramps	85 SY	_____	\$ _____	\$ _____
21A. Dewatering	1 LS	_____	\$ _____	\$ _____
22A. Cleaning Existing Drainage Structures	1 LS	_____	\$ _____	\$ _____
23A. Air/Vacuum Valve Station, Type 1	1 LS	_____	\$ _____	\$ _____
24A. 20-inch PVC C905 PVC Sewer Force Main	1,590 LF	_____	\$ _____	\$ _____

SCHEDULE A – FREDRICKSON ROAD NW AND PUMP STATION 4 FORCE MAIN UPGRADES

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
25A. Connect to Existing Sewer System	1 EA	_____	\$ _____	\$ _____
26A. PS4 Bypass Connection	1 LS	_____	\$ _____	\$ _____
27A. Cleanouts	5 EA	_____	\$ _____	\$ _____
Subtotal of Schedule A Bid Items			\$ _____	_____
Sales Tax @ 9.2%			\$ _____	_____
Total for Schedule A – Fredrickson Road NW and Pump Station 4 Force Main Upgrades			\$ _____	_____

SCHEDULE B – OLD TOWN SILVERDALE SEWER UPGRADES

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
1B. Preconstruction Work Phase	1 LS	_____	\$ _____	\$ _____
2B. Final Cleanup and Restoration	1 LS	_____	\$ _____	\$ _____
3B. Surveying	1 LS	_____	\$ _____	\$ _____
4B. Project Record Drawings*	1 LS	_____	\$ _____	\$ _____
5B. Type B Schedules†	4 MO	_____	\$ _____	\$ _____
6B. Minor Change (Allowance)*	1 FA	<u>Forty-Four Thousand Dollars and No Cents</u>	\$44,000.00	\$44,000.00
7B. Mobilization and Demobilization	1 LS	_____	\$ _____	\$ _____
8B. Temporary Traffic Control	1 LS	_____	\$ _____	\$ _____
9B. Temporary Erosion and Sediment Control	1 LS	_____	\$ _____	\$ _____
10B. Removal of Structures and Obstructions	1 LS	_____	\$ _____	\$ _____
11B. Trench Safety Systems	1 LS	_____	\$ _____	\$ _____
12B. Extra Trench Excavation (Allowance)*	200 CY	_____	\$ _____	\$ _____

* The lump sum for this bid item shall be at least 0.5% of the total bid amount for Schedule B.

† The unit price for this bid item shall not be less than \$500.00 per month for Schedule B.

SCHEDULE B – OLD TOWN SILVERDALE SEWER UPGRADES

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
13B. Gravel Backfill for Foundations (Allowance)*	100 TN	_____	\$ _____	\$ _____
14B. Crushed Surfacing Base Course	380 TN	_____	\$ _____	\$ _____
15B. Crushed Surfacing Top Course	190 TN	_____	\$ _____	\$ _____
16B. Imported Trench (Subsequent) Backfill	1,830 TN	_____	\$ _____	\$ _____
17B. Temporary HMA Cl. ½-inch PG 64-22 Pavement	160 TN	_____	\$ _____	\$ _____
18B. Permanent HMA Cl. ½-inch PG 64-22 Pavement	640 TN 660 TN	_____	\$ _____	\$ _____
19B. Controlled Density Fill (CDF) (Allowance)*	30 CY	_____	\$ _____	\$ _____
20B. Dewatering	1 LS	_____	\$ _____	\$ _____
21B. Cleaning Existing Drainage Structures	1 LS	_____	\$ _____	\$ _____
22B Type 1 Manhole, 60-inch Dia.	1 EA	_____	\$ _____	\$ _____
23B. 12-Inch PVC C900 Sewer Force Main	500 LF	_____	\$ _____	\$ _____
24B. 15-Inch PVC Gravity Sewer Main	640 LF	_____	\$ _____	\$ _____
25B. Connect to Existing Sewer System	3 EA	_____	\$ _____	\$ _____

SCHEDULE B – OLD TOWN SILVERDALE SEWER UPGRADES

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
Subtotal of Schedule B Bid Items			\$	_____
Sales Tax @ 9.2%			\$	_____
Total for Schedule B – Old Town Silverdale Sewer Upgrades			\$	_____

SCHEDULE C – PUMP STATION 4 UPGRADES

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
1C. Preconstruction Work Phase	1 LS	_____	\$ _____	\$ _____
2C. Final Cleanup and Restoration	1 LS	_____	\$ _____	\$ _____
3C. Surveying	1 LS	_____	\$ _____	\$ _____
4C. Project Record Drawings*	1 LS	_____	\$ _____	\$ _____
5C. Type B Schedules†	16 MO	_____	\$ _____	\$ _____
6C. Minor Change (Allowance)*	1 FA	<u>Two Hundred Eighty Thousand Dollars and No Cents</u>	<u>\$280,000.00</u>	<u>\$280,000.00</u>
7C. Mobilization and Demobilization	1 LS	_____	\$ _____	\$ _____
8C. Temporary Traffic Control	1 LS	_____	\$ _____	\$ _____
9C. Temporary Erosion and Sediment Control	1 LS	_____	\$ _____	\$ _____
10C. Existing Utility Relocation (Allowance)*	1 FA	<u>Fifty Thousand Dollars and No Cents</u>	<u>\$50,000</u>	<u>\$50,000</u>
11C. Excavation Support Systems	1 LS	_____	\$ _____	\$ _____
12C. Bypass Pumping	1 LS	_____	\$ _____	\$ _____

* The lump sum for this bid item shall be at least 0.5% of the total bid amount for Schedule C.

† The unit price for this bid item shall not be less than \$500.00 per month.

SCHEDULE C – PUMP STATION 4 UPGRADES

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
13C. Gravel Backfill for Foundations (Allowance)*	220 Tons	_____	\$ _____	\$ _____
14C. Crushed Surfacing Base Course	180 Tons	_____	\$ _____	\$ _____
15C. Crushed Surfacing Top Course	145 Tons	_____	\$ _____	\$ _____
16C. Imported Trench (Subsequent) Backfill	700 Tons	_____	\$ _____	\$ _____
17C. Permeable Concrete Pavement	1 LS	_____	\$ _____	\$ _____
18C. Permanent HMA Cl. 1/2-inch PG 64-22 Pavement	20 Tons	_____	\$ _____	\$ _____
19C. Retaining Walls	1 LS	_____	\$ _____	\$ _____
20C. Cement Concrete Curb, Gutter, Sidewalk, & Ramps,	130 SY	_____	\$ _____	\$ _____
21C. Dewatering	1 LS	_____	\$ _____	\$ _____
22C. Fire Hydrant Assembly	1 EA	_____	\$ _____	\$ _____
23C. PS 4 Submersible Pumps	1 LS	_____	\$ _____	\$ _____
24C. PS 4 Mechanical Work	1 LS	_____	\$ _____	\$ _____
25C. PSE Work	1 LS	_____	\$ _____	\$ _____

SCHEDULE C – PUMP STATION 4 UPGRADES

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
26C. PS 4 Electrical Work	1 LS	_____	\$ _____	\$ _____
27C. PS 4 New Wet Well	1 LS	_____	\$ _____	\$ _____
28C. PS 4 Existing Wet Well Modifications	1 LS	_____	\$ _____	\$ _____
29C. PS 4 Existing Dry Well Modifications	1 LS	_____	\$ _____	\$ _____
30C. PS 4 Control Building	1 LS	_____	\$ _____	\$ _____
31C. PS 4 Diesel Generator	1 LS	_____	\$ _____	\$ _____
32C. PS 4 Storm Drainage Improvements	1 LS	_____	\$ _____	\$ _____
33C. PS 4 Miscellaneous Site Work	1 LS	_____	\$ _____	\$ _____
34C. PS 4 Facility Testing and Startup*	1 LS	_____	\$ _____	\$ _____
35C PS 4 Operation and Maintenance Manuals†	1 LS	_____	\$ _____	\$ _____

* The lump sum for this bid item shall be at least 1.0% of the total bid amount for Schedule C.

† The lump sum for this bid item shall be at least 0.5% of the total bid amount for Schedule C.

Subtotal of Schedule C Bid Items	\$ _____
Sales Tax @ 9.2%	\$ _____
Total for Schedule C – Pump Station 4 Upgrades	\$ _____

TOTAL FOR SCHEDULES A, B, AND C WITH SALES TAX	\$ _____
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*Allowance - For the purpose of establishing a common basis for evaluating bids, an arbitrary quantity for this item has been shown on the bid form and does not necessarily represent the quantity that may be necessary for the work. The Variation in Estimated Quantities provisions of Section 1-04.6 of the Standard Specifications shall not apply to this item. Quantities will be determined in the field as work progresses.

1-02 Bid Procedures and Conditions**1-02.1 Prequalification of Bidders**

(Local Agency SP)

Section 1-02.1 is deleted and replaced with the following:

1-02.1 Bidder Responsibility

It is the intent of the Contracting Agency to award a contract to the lowest responsive, and responsible bidder. Before award, the bidder must meet the following bidder responsibility criteria to be considered a responsible bidder. The bidder will be required by the Contracting Agency to submit documentation demonstrating compliance with the criteria. The bidder must:

1. Have a current certificate of registration as a contractor in compliance with Chapter 18.27 RCW at the time of bid submittal.
2. Have a current Washington Unified Business identifier (UBI) number.
3. If applicable, have:
 - a. Industrial insurance coverage for the bidder's employees working in Washington as required in Title 51 RCW.
 - b. A Washington Employment Security Department number per Title 50 RCW.
 - c. A Washington Department of Revenue state excise tax registration number as required in Title 82 RCW.
4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3).
5. Have current bonding capacity adequate for this project.
6. Not have filed for bankruptcy in the last five (5) years.
7. Not have had their Contractor's license revoked in the last five (5) years.

1-02.1(1) Subcontractor Responsibility

The Contractor shall include the language of this section in each of its first-tier subcontracts and shall require each of its subcontracts to include the same language of this section in each of their subcontracts, adjusting only as necessary the terms used for the contracting parties. Upon request of the Contracting Agency, the Contractor shall promptly provide documentation to the Contracting Agency demonstrating that the subcontractor meets the subcontractor responsibility criteria below. The requirements of this section apply to all subcontractors regardless of tier. The subcontractor shall:

1. Have a current certificate of registration as a contractor in compliance with Chapter 18.27 RCW at the time of subcontract bid submittal.
2. Have a current Washington Unified Business identifier (UBI) number.
3. If applicable, have:
 - a. Industrial insurance coverage for the subcontractor's employees working in Washington as required in Title 51 RCW.
 - b. A Washington Employment Security Department number per Title 50 RCW.
 - c. A Washington Department of Revenue state excise tax registration number as required in Title 82 RCW; and/or
 - d. An electrical contractor license, if required by Chapter 19.28 RCW.
4. Not be disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3).

1-02.1(2) Supplemental Bidder Responsibility Criteria

In addition to the bidder responsibility criteria above, the bidder and/or bidder's subcontractor must meet the following relevant supplemental bidder responsibility criteria applicable to the project:

2. The pump manufacturer shall warrant the guide system (including guide, cables or rails, and brackets) against defects in workmanship and materials for a period of ten (10) years under normal use and service.
3. The pump manufacturer shall fully warrant the impeller against clogging for a period of one year under normal use and service.
4. Pump manufacturer warranties shall be in published form and shall apply to all similar units.

1.04 QUALITY CONTROL

- A. Perform equipment tests in accordance with the Hydraulic Institute's - Submersible Pumps for Hydraulic Performance, Hydrostatic Pressure, Mechanical and Electrical Acceptance Tests.
 1. Tests shall be performed on the actual assembled pumps to be supplied; prototype model tests are not acceptable.
 2. Tests shall cover a range from shut-off to a minimum 20 percent beyond specified design capacity.
- B. Conduct test per above specifications on all supplied pumps, generating a curve showing actual flow, head, BHP, and hydraulic efficiency.
- C. Obtain the submersible sewage pumps from one source and a single manufacturer.

PART 2 : PRODUCTS

- A. Subject to conformance with the Contract Documents, the following manufacturers are acceptable:
 1. Flygt – NP ~~3231/745 3~480~~ 3315.095 MT 3 634.
 2. No substitutions.
- B. PERFORMANCE AND CONDITIONS OF SERVICE: The pumps shall operate over the range of flows and heads specified below. Motor horsepower shall not exceed the values specified, and the hydraulic efficiency shall be equal to or higher than those listed. The pumps shall comply with the following table.

Submersible Pumps – Lift Station 4	
Number of Pumps (2 plus 1 standby)	3
Design Point – One Pump Operation (gpm/ft)	3,665 gpm / 113 ft
Design Point – Two Pump Operation (gpm/ft)	5,575 gpm / 127 ft (~2,790 gpm/pump)
Max. Motor Horsepower	140 hp
Max. Speed	1,185 rpm
Variable Speed	Yes
Voltage/Cycle/Phase	460/3/60
Max. Amperage per Phase (full load)	400 A

1.05 COORDINATION OF EQUIPMENT

- A. It is the Contractor's responsibility to coordinate equipment information with the motor controller manufacturer so that the correct type of motor starters and protection equipment are provided and sized properly for the devices being served and to supply such equipment with the proper protection. The Contractor shall verify that all motor control equipment will fit physically within the space allotted per the contract drawings.

1.06 COORDINATION WITH CONTROL SYSTEM

- A. The motor controller equipment manufacturer shall equip the assembly with all appurtenances and accessories (including but not limited to control relays, control contacts, control wiring and terminal strips) as required by the Control System Integrator for interface with the main control system to provide a totally integrated and operable system.

1.07 O&M DATA

- A. Provide O&M data for all motor controllers and related equipment in accordance to the general requirements in Section 26 00 00 – Electrical General.

PART 2 : PRODUCTS**2.01 GENERAL REQUIREMENTS**

- A. Acceptable Manufacturer's shall be the following:
1. Eaton Electrical Inc.; PowerXL DG1.
 2. Schneider Electric; Altivar ATV900.
 3. Dan Foss: FC202 Aqua.
 4. Siemens Energy & Automation, Inc. G120XE series.
 5. Rockwell Automation (Allen-Bradley): PowerFlex 755.
- B. Accessories must meet the requirements of Section 26 29 13 – Motor Control Equipment. Additional requirements specific to VFDs are included herein.
1. Control Power Transformers.
 2. Transient Suppressors.
 3. Overcurrent Protection.
 4. Operating and indicating Devices.
 5. Control Relays.
 6. Time Delay Relays.
 7. Terminal Blocks.
 8. Surge Arrestors.
 9. Operating Mechanisms.



Issued For Bid

01-2023

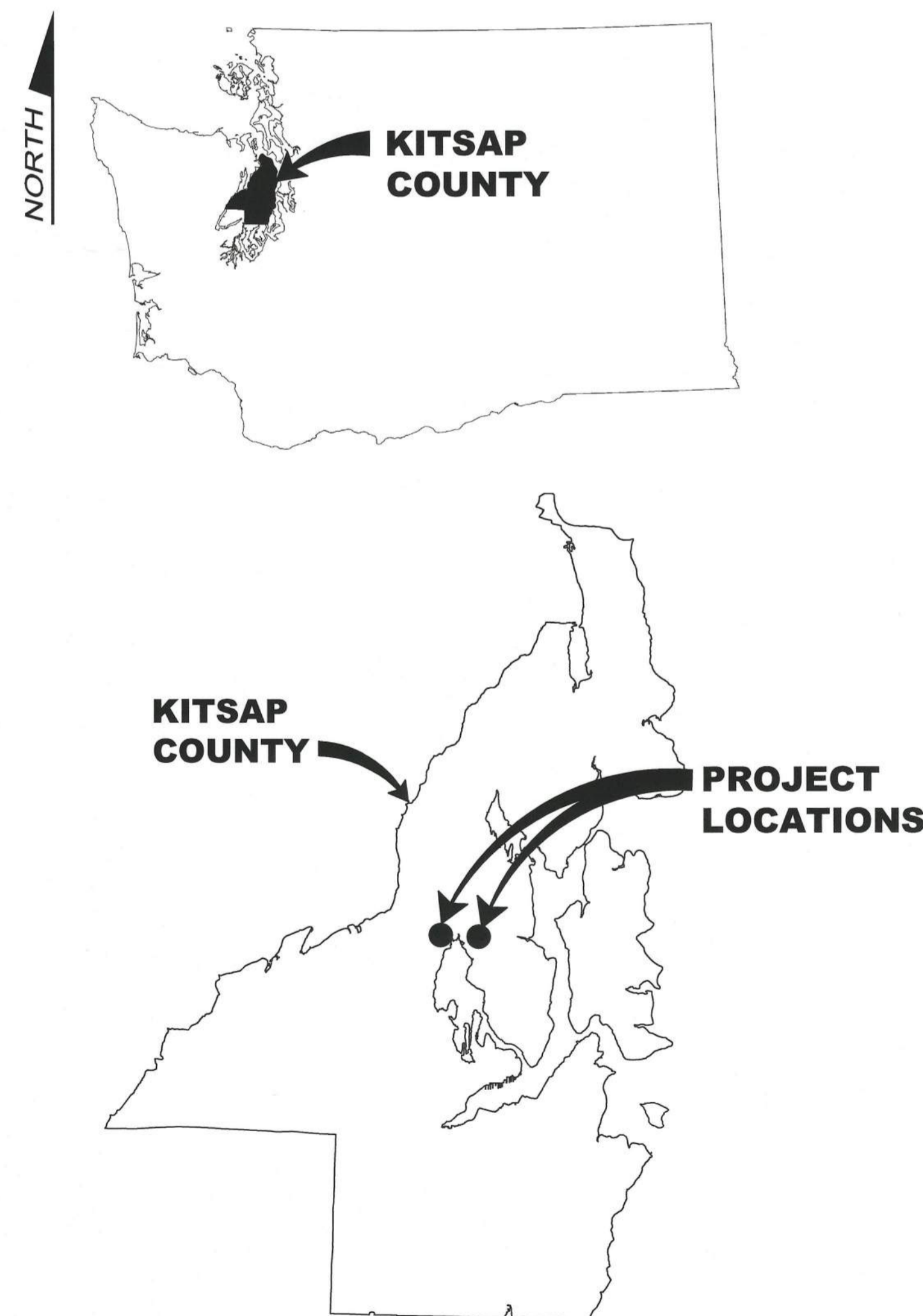
KITSAP COUNTY

SILVERDALE CONVEYANCE SYSTEM AND PUMP STATION 4 UPGRADES SCHEDULES A, B, AND C

JANUARY 2023

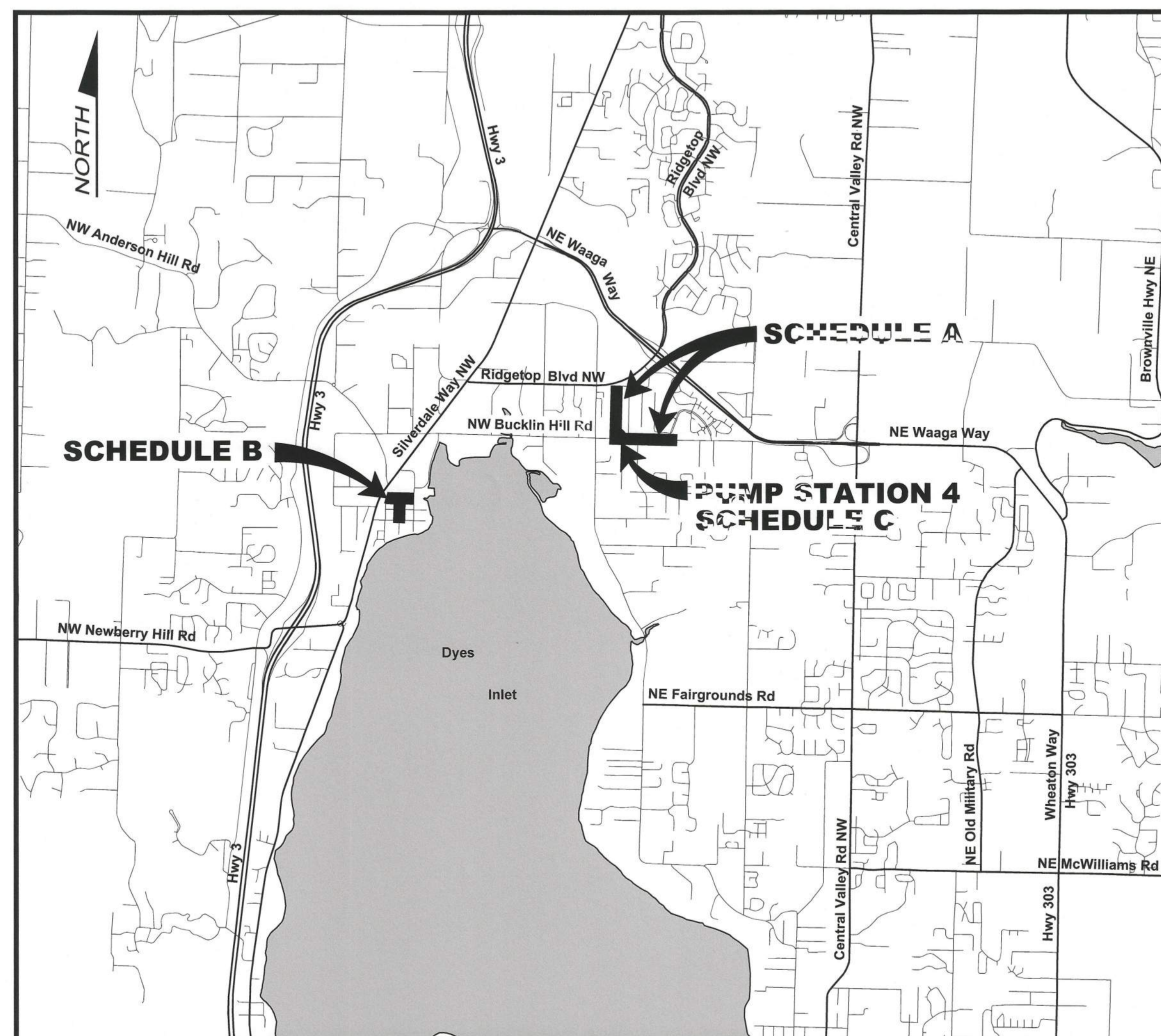
LOCATION MAPS

NTS



VICINITY MAP

NTS



COUNTY COMMISSIONERS

- Robert Gelder - District #1
- Charlotte Garrido - District #2
- Katherine Walters - District #3

APPROVED BY

1-10-23
DATE

Dave Tucker
DAVE TUCKER
ASST. DIRECTOR OF PUBLIC WORKS

1/9/23
DATE

Joe Rutan
JOE RUTAN
COUNTY ROADS ENGINEER

PREPARED BY

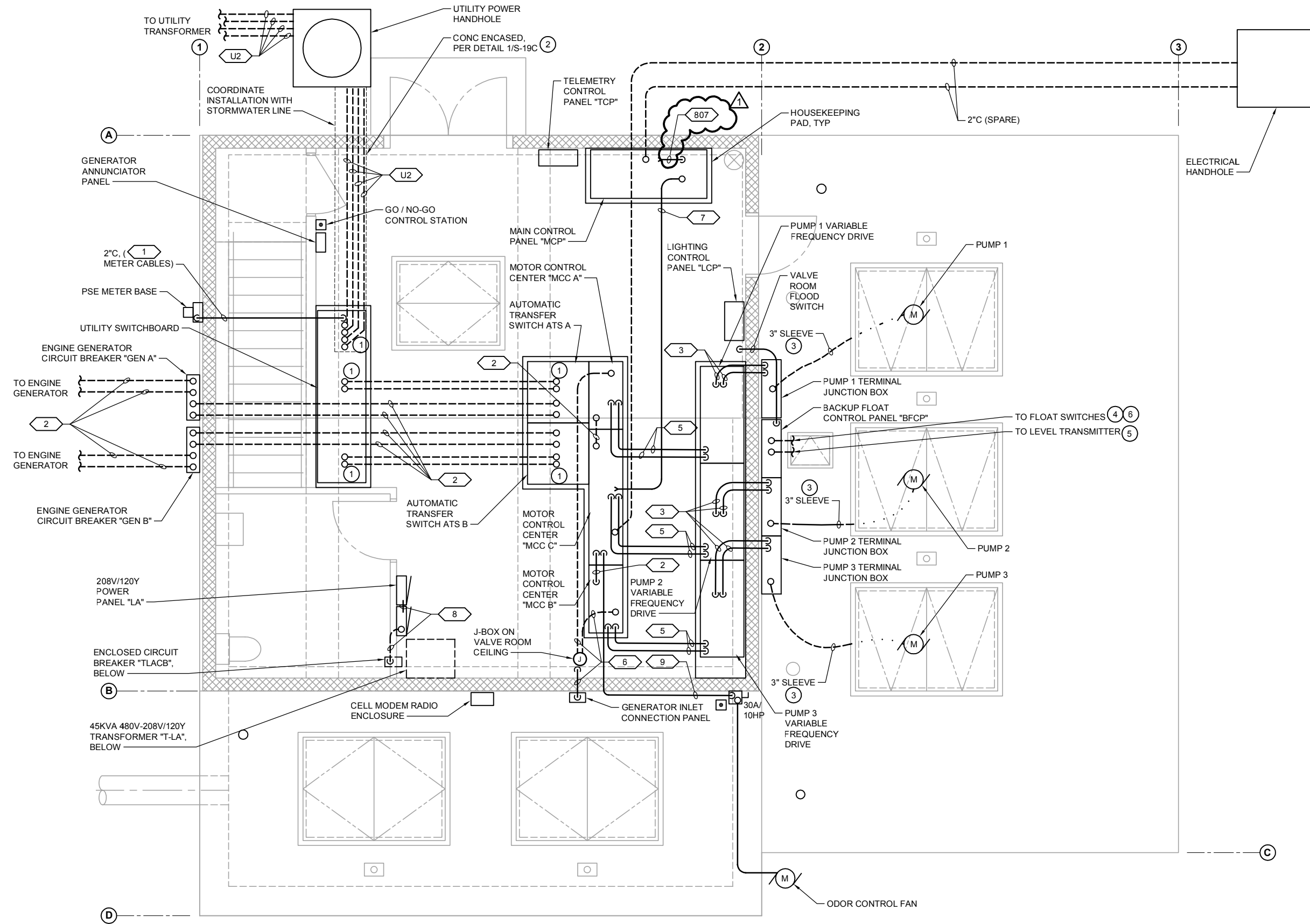


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IN ASSOCIATION WITH

- Geotechnical & Environmental - Landau Associates, Inc.
- Survey - AES Consulting, Inc.
- HVAC - FSi Engineers
- Traffic - Traffic Engineering Northwest

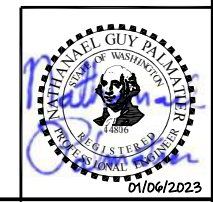
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 Xref Filename: | X21-10530-PS4_Ext_Bldg | X21-10530-PS4_Prop Elec | X21-10530-PS4_Prop Bldg | X21-10530-TB | Palmatier | X21-10530-PS4_Prop Grid | Dahl | Fisher |



- NOTES:**
1. PROVIDE CONDUIT RE-ENTERABLE SEAL.
 2. SEE DWG E-30C FOR CIRCUIT INFORMATION.

- CONSTRUCTION NOTES:**
- 1 PROVIDE 5" SLEEVE IN BEAM; COORDINATE WITH STRUCTURAL. PROVIDE NON-SHRINK GROUT AROUND CONDUIT WITHIN SLEEVE.
 - 2 PROVIDE CONCRETE ENCASEMENT FROM HANDHOLE TO SWITCHBOARD. SEE DWG S-19 FOR CONDUIT ENCASEMENT DETAIL.
 - 3 ROUTE MANUFACTURER CABLE IN CONDUIT SLEEVE. SUPPORT CONDUIT SLEEVE PER MECHANICAL DETAIL 5/E-24C.
 - 4 MULTIPLE DEVICE CORDS.
 - 5 SUPPORT EACH CORD WITH KELLUMS GRIP PER DETAIL 3/E-25C.
 - 6 SUPPORT EACH FLOAT CORD PER DETAIL 4/E-25C. PROVIDE SST HOOK RACK WITH SPACE FOR AT LEAST 5 DEVICES.

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No.	Revision	Date	By	App'd
1	ADDENDUM 2 - DRAWINGS	2-3-23	TF	RAD
2	ISSUED FOR BID	01-2023	TF	RAD



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Designed: N. Palmatier, P.E.
 Drawn: J. Lira
 Checked: R. Dorn, P.E.

Scale:
 3/8"=1'-0"
 One Inch at Full Scale
 If Not One Inch Scale Accordingly



Kitsap County Public Works
 614 Division Street, MS 26
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SILVERDALE CONVEYANCE SYSTEM AND PUMP STATION 4 UPGRADES
 SCHEDULE C
CONTROL BUILDING
ELECTRICAL ROOM AND WET WELL
PROCESS POWER PLAN

Drawing: **E-5C**
 Sheet: **91** of **117**
 File: P21-10530_E-5C
 Date: January 2023

Path: S:\cadd\kitsap County\21-10530 Silverdale Conveyance\PS 4 Uprgd\Design\Drawings\21-10530_E-30C_Plot.dwg Plot date: Feb 02, 2023 03:01:20pm CAD User: soisce
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CIRCUIT SCHEDULES POWER CIRCUITS				
TAG	CONDUIT	CONDUCTORS	FROM	TO
U1	2-4"	CONDUCTORS BY UTILITY	UTILITY PRIMARY POLE	UTILITY TRANSFORMER
U2	4-4"	3 SETS EACH 3-600KCMIL & 1-300KCMIL(N)	UTILITY TRANSFORMER	UTILITY METER SWITCHBOARD
1	--	--	UTILITY METERING	UTILITY METER SWITCHBOARD
2	2-4"	2 SETS EACH 3-600KCMIL & 1-300KCMIL(N) & 1-1/0(G)	UTILITY METER SWITCHBOARD	ATS A
			UTILITY METER SWITCHBOARD	ATS B
			ENGINE GENERATOR PACKAGE	ATS A
			ENGINE GENERATOR PACKAGE	ATS B
			ATS A	MCC A
			ATS B	MCC B
			MCC C	MCC A
			MCC C	MCC B
3	2-2"	2 SETS EACH 3/0VFD (MIN BEND RADIUS 19")	MCC A	VFD PUMP 1
			MCC B	VFD PUMP 2
			MCC C	VFD PUMP 3
4	2-2"	2 SETS EACH 3/0VFD (MIN BEND RADIUS 19")	VFD PUMP 1	MOTOR TERMINAL JUNCTION BOX PUMP 1
			VFD PUMP 2	MOTOR TERMINAL JUNCTION BOX PUMP 2
			VFD PUMP 3	MOTOR TERMINAL JUNCTION BOX PUMP 3
5	2-4"	2 SETS EACH MNF (MIN BEND RADIUS 19")	MOTOR TERMINAL JUNCTION BOX PUMP 1	SUBMERSIBLE PUMP 1
			MOTOR TERMINAL JUNCTION BOX PUMP 2	SUBMERSIBLE PUMP 2
			MOTOR TERMINAL JUNCTION BOX PUMP 3	SUBMERSIBLE PUMP 3
6	2-3"	2 SETS EACH 3#3/0 & 1#3/0N & 1#3G	GENERATOR INLET RECEPTACLE PANEL	MCC A
			GENERATOR INLET RECEPTACLE PANEL	MCC B
7	1-1/4"	3#4 & 1#8G	MCC C	TLA
8	2-1/2"	3#1 & 1#1N & 1#6G	TLA	TLACB
			TLACB	LA (SECTION 1)
			LA (SECTION 2)	
9	1"	3#10 & 2#14 & 1#10G	MCC C	ODOR CONTROL FAN
10	3/4"	1#10 & 2#14 & 1#10G	MCC C	SUPPLY FAN (SF-1)
			MCC C	EXHAUST FAN (EF-1)

1

MOTOR SCHEDULE							
	HP	EFFICIENCY	LRC	FLA	VOLTAGE	PHASE	NOTES/WSEC EXCEPTION
EF-1	0.75	85%	50. A	8.8 A	115 V	1	ELECTRICALLY COMMUTATED
SF-1	0.75	85%	50. A	8.8 A	115 V	1	ELECTRICALLY COMMUTATED
PUMP 1	250	93.50%	2030. A	284. A	480 V	3	C405.8 EXCEPTION: SUBMERSIBLE ELECTRIC MOTOR
PUMP 2	250	94%	2030. A	284. A	480 V	3	C405.8 EXCEPTION: SUBMERSIBLE ELECTRIC MOTOR
PUMP 3	250	94%	2030. A	284. A	480 V	3	C405.8 EXCEPTION: SUBMERSIBLE ELECTRIC MOTOR
ODOR CONTROL FAN	3	89.50%	32. A	4.8 A	480 V	3	

TRANSFORMER SCHEDULE					
	PRIMARY VOLTAGE	SECONDARY VOLTAGE	SIZE [KVA]	EFFICIENCY	NOTES/WSEC EXCEPTION
TLA	480V, 3PH, DELTA	208V/120Y, 3PH, WYE	45	98.40% MIN	

WASHINGTON STATE ENERGY COMPLIANCE FORM LIGHTING COMPLIANCE SUMMARY

2018 WSEC Compliance Forms for Commercial Buildings Including Group R2, R3 & R4 over 3 stories and all R1 Administered by: ©2022 NECA. All rights reserved.

Project & Applicant Information		Project Title: Silverdale Lift Station 4 Upgrades - 2018 WSEC		For Building Department Use: Date: Jun 01, 2022	
Project Address: 8606 Fredrickson RD NW (Blumenfeld, WA 98131)		Applicant Name: Nathaniel Palmatier		Applicant Phone: 206-357-9934	
Applicant Email: nathaniel.palmatier@bhcconsultants.com		Applicant License: 206-357-9934		For questions about this report, contact WSEC Commercial Technical Support at 360-579-5300 or via email at com.techsupport@wsecps.com	
General Occupancy		All Commercial		General Building Use Type: Building Const. Floor Area: 1,450	
General Project Types		New Building or Addition Lighting Scope		Interior Lighting Exterior Lighting Alteration Lighting Scope: Project Const. Floor Area: 1,450	
Lighting Project Description		Revised pump station control building to support wastewater pumping improvements. Plans are attached.		Compliance Method: 1	
Lighting Compliance Scope and Method		Interior / Exterior (interior includes both interior & parking)		Luminaire Replacement Scope: Compliance Method: LPA Calculation Adjustment: Compliance Verification: COMPLIES	
Additional Efficiency Options Included		Space by space		LPA Calculation Adjustment: Compliance Verification: COMPLIES	

Project Title: Silverdale Lift Station 4 Upgrades - 2018 WSEC		Date: Jun 01, 2022	
Lighting Power Calculation: NEW BUILDING - INTERIOR LIGHTING		Compliance Verification: COMPLIES	
Compliance Method: Space by space		LPA Calculation Adjustment: none	

Interior Lighting Power Allowance - Space by Space						
General Space Type	Specific Space Type	Ceiling Height (ft)	Gross Interior Area (SF)	LPA (Watts/SF)	Total Watts Allowed (SF x LPA x 1.1)	Total Proposed Watts (LFD x Design LFD)
Electrical/mechanical		7.00	700	0.43	301	
Electrical/mechanical			565	0.43	243	
Restroom	General		43	0.43	54	
Stairwell	General		33	0.49	47	
Total:					641	540
COMPLIES						

Proposed Lighting Power Density						
Fixture Type	Fixture ID	Quantity of Fixtures (QF)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Watts per Linear Foot (WpLF)	Total Watts Proposed (QF x WpF) or (LF x WpLF)
Individual Fixtures						
Horizontal surface-mount	A24	3	20			60
Horizontal surface-mount	A48	13	28			491
Wall-mounted	C	1	10			10
Proposed Total LFD:						561.7

Project Title: Silverdale Lift Station 4 Upgrades - 2018 WSEC		Date: Jun 01, 2022	
Proposed Fixtures Details: NEW BUILDING - INTERIOR LIGHTING		Compliance Verification: COMPLIES	
Exterior Lighting Zone: ZONE 2		Base Site Allowance: 400	

Exterior Tradable Lighting Power Allowance						
Tradable Surface	Tradable Surface Sub-Type	Surface Area (SF)	LPA (Watts/SF)	Linear Feet (LF)	LPA (Watts/LF)	Total Watts Allowed (LPA x SF) or (LPA x LF)
Building entrances and exits	Pedestrian entrances & exits	9	0.04	14	126	149
Uncovered parking areas and drives		3,721	0.04			409
Total:						558
COMPLIES						

Proposed Tradable Lighting Power Density						
Fixture Type	Fixture ID	Tradable Surface Type	Quantity of Fixtures (QF)	Watts or Wattage Limit per Fixture (WpF)	Total Linear Feet (LF)	Total Watts Proposed (QF x WpF) or (LF x WpLF)
Individual Fixtures						
Flood light	FF	Building entrances and exits - Pedestrian entrances & exits	3	21		63
Post-mounted	HB	Uncovered parking areas and drives -	2	133		266
Wall-mounted	GG	Building entrances and exits - Pedestrian entrances & exits	7	28		196
Tradable Proposed Total:						525

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Drawn: A. Bradley
Checked: R. Dorn, P.E.
Scale: NTS
One Inch at Full Scale
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SILVERDALE CONVEYANCE SYSTEM AND PUMP STATION 4 UPGRADES SCHEDULE C
ELECTRICAL SCHEDULES
2 OF 2

Drawing: **E-30C**
Sheet: **116** of **117**
File: P21-10530_E-30C
Date: January 2023

Path: S:\Cadd\Kitsap County\21-10530 Silverdale Conveyance\PS4_4 UprgnDesign\Drawings\E-32C_Plot Date: Feb 02, 2023 03:09:24pm CAD User: solsoe
 Xref Filename: | X21-10530_TB | Palmatier | X21-10530-PS4_Ext_Topo | X21-10530-PS4_Prop_HWA | X21-10530-PS4_Prop_Site | Dahl | Fisher |

SIGNAL CIRCUITS						
ID	MIN.	CKT A	MIN.	CKT B	FROM	TO
501	1-1/4"	15#14	1"	1-CAT6(600V) & 1-2/C#16STP	VFD PUMP 1	MAIN CONTROL PANEL
502	1-1/4"	15#14	1"	1-CAT6(600V) & 1-2/C#16STP	VFD PUMP 2	MAIN CONTROL PANEL
503	1-1/4"	15#14	1"	1-CAT6(600V) & 1-2/C#16STP	VFD PUMP 3	MAIN CONTROL PANEL
504			1"	1-2/C#16STP	MOTOR TERMINAL JUNCTION BOX PUMP 1	MAIN CONTROL PANEL
505			1"	1-2/C#16STP	MOTOR TERMINAL JUNCTION BOX PUMP 2	MAIN CONTROL PANEL
506			1"	1-2/C#16STP	MOTOR TERMINAL JUNCTION BOX PUMP 3	MAIN CONTROL PANEL
601	1"	7#14			UTILITY SWITCHBOARD	MAIN CONTROL PANEL
602	1-1/4"	10#14 & 2#10			MOTOR CONTROL CENTER "MCC A"	MAIN CONTROL PANEL
603	1-1/2"	18#14 & 2#10	1"	4-CAT6(600V)	MOTOR CONTROL CENTER "MCC C"	MAIN CONTROL PANEL
604	1-1/2"	18#14 & 2#10	1"	4-CAT6(600V)	MOTOR CONTROL CENTER "MCC C"	MAIN CONTROL PANEL
605	1-1/4"	10#14 & 2#10			MOTOR CONTROL CENTER "MCC B"	MAIN CONTROL PANEL
606	1"	12#14 & 2#12	1"	1-FFT10 & 1-CAT6	AUTOMATIC TRANSFER SWITCH "ATS A"	MAIN CONTROL PANEL
607	1"	12#14 & 2#12	1"	1-FFT10 & 1-CAT6	AUTOMATIC TRANSFER SWITCH "ATS B"	MAIN CONTROL PANEL
608	1"	12#14 & 2#12	1"	1-FFT10 & 1-CAT6	DIESEL ENGINE GENERATOR	MAIN CONTROL PANEL
609	1"	2#10 & 2#12 & 1#10G			DIESEL ENGINE GENERATOR	ATS A
610	1"	2#10 & 2#12 & 1#10G			DIESEL ENGINE GENERATOR	ATS B
611			3/4"	1-FFT10 & 2#12 & 1#12G	DIESEL ENGINE GENERATOR REMOTE DISPLAY	MAIN CONTROL PANEL
612	3/4"	2#14			ENGINE GENERATOR CIRCUIT BREAKER "GEN A"	MOTOR CONTROL CENTER "MCC A"
613	3/4"	4#14			ENGINE GENERATOR CIRCUIT BREAKER "GEN B"	MOTOR CONTROL CENTER "MCC B"
614	3/4"	2#14			ENCLOSED CIRCUIT BREAKER "TLACB"	MAIN CONTROL PANEL
615	3/4"	4#14			MOTOR CONTROL CENTER "MCC A"	UTILITY SWITCHBOARD
616	3/4"	4#14			MOTOR CONTROL CENTER "MCC B"	
701			1"	1-2/C#16STP	FORCE MAIN PRESSURE TRANSMITTER	MAIN CONTROL PANEL
702	3/4"	4#14 & 1#14G	1"	1-CAT6 & 2-2/C#16STP	FLOW METER TRANSMITTER	MAIN CONTROL PANEL
703	1-1/2"	11#14 & 2#12 & 1#12G	1"	1-2/C#16STP	BACKUP FLOAT CONTROL PANEL	MAIN CONTROL PANEL
704	3/4"	2#14			TELEMETRY PANEL	BACKUP FLOAT CONTROL PANEL
705	3/4"	2#14 & 1#14G			VALVE ROOM FLOOD SWITCH	BACKUP FLOAT CONTROL PANEL
706	1-1/4"	18#14	1"	3-CAT6 & 2-2/C#16STP	TELEMETRY PANEL	MAIN CONTROL PANEL
707			1"	1-CAT6 & 2#12 & 1#12G	EXTERIOR CELLULAR MODEM PANEL	TELEMETRY PANEL
708	1"	7#14 & 1#14G			GO/NO-GO	MAIN CONTROL PANEL
709	3/4"	3#14 & 1#14G			PIPING ROOM DOOR SWITCH	MAIN CONTROL PANEL
710	3/4"	3#14 & 1#14G			ELECTRICAL ROOM (SINGLE DOOR) SWITCH	MAIN CONTROL PANEL
711	3/4"	3#14 & 1#14G			ELECTRICAL ROOM (DOUBLE DOOR) SWITCH	MAIN CONTROL PANEL
712	3/4"	4#14 & 1#14G			PARTICULATE DETECTOR	MAIN CONTROL PANEL
801	3/4"	4#14 & 1#14G			HVAC UNIT HEATER UH-1 THERMOSTAT	HVAC UNIT HEATER UH-1
802	3/4"	3#14 & 1#14G			HVAC AIR FLOW SWITCH EXHAUST	MAIN CONTROL PANEL
803	3/4"	3#14 & 1#14G			HVAC AIR FLOW SWITCH SUPPLY	MAIN CONTROL PANEL
804	3/4"	4#14 & 1#14G			HVAC BATHROOM HEATER THERMOSTAT	HVAC BATHROOM HEATER
805	1"	6#14 & 1#14G			HVAC HEAT PUMP OUTDOOR UNIT CU-1	HVAC HEAT PUMP INDOOR UNIT
806	3/4"	2#14 & 1#14G			HVAC EXHAUST FAN	MAIN CONTROL PANEL
807	3/4"	2#14 & 1#14G			HVAC SUPPLY FAN	MAIN CONTROL PANEL

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Drawn: J. Lira

Checked: R. Dorn, P.E.

Scale:

N/A

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 If Not One Inch Scale Accordingly



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SILVERDALE CONVEYANCE SYSTEM AND PUMP STATION 4 UPGRADES SCHEDULE C

SIGNAL CIRCUIT SCHEDULE

Drawing	E-32C
Sheet	XX of 117
File	P21-10530_E-32C
Date	January 2023