ADDENDUM #1

KITSAP COUNTY PUBLIC WORKS WASTEWATER DIVISION
SILVERDALE PUMP STATIONS 19 & 31 UPGRADES

May 21, 2021

TO:	All Respondents
FROM:	Vicki Martin, Buyer
CLOSING DATE:	June 3, 2021 at 3:00 p.m.
REF NO.:	Silverdale Pump Stations 19 & 31 Upgrades
DATE:	May 21, 2021

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 19-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. REVISE the Bid Submission Date & Time to June 3, 2021 @ 3:00 p.m.

Item 2. REVISE the Bid Opening Time & Location to June 3, 2021 @ 3:15 p.m.

Item 3. ADD the attached Pre-Bid Meeting Attendance List to the Contract Documents.

Item 4. REVISE the Engineer's Estimate to $4,746,500.

Item 5. REVISE the 6th paragraph on the second page of the Invitation to Bid to read as follows:

Responders shall submit two (2) signed originals. Electronic copies will not be accepted.

BID PROPOSAL, BID SCHEDULE

Item 6. REPLACE the BID SCHEDULE with the attached BID SCHEDULE as Bid items 12A and 12B were modified.

WSDOT DIVISION 1 – SPECIAL PROVISIONS

Item 7. REVISE the first paragraph of Section 1-07.6(1) Contracting Agency Furnished Permits to read as follows:

The Contracting Agency is responsible for obtaining the following permits:

1. Site Development Activity Permit (SDAP).
2. Building Permit (to be issued after award of project).
3. ~~Department of Ecology Stormwater General Permit~~

Item 8. REVISE the 6th paragraph of Section 1-07.6(2) Contractor Furnished Permits to read as follows:

Anticipated Contractor-Furnished Permits include:

1. State of Washington Department of Ecology Construction Stormwater General Permit – ~~Contracting Agency will apply for the Notice of Intent (NOI). Once received, the NOI will be transferred to the Contractor and the~~ Contractor will be responsible for applying for coverage and conducting all associated monitoring and compliance measures. A copy of a SEPA exemption letter from Kitsap County's Department of Community Development is added as part of this addendum to assist in the application process.
2. Encroachment/ROW/Roadway Permit.
3. Demolition Permit.
4. Electrical Permit.

Item 9. REVISE the last paragraph of Section 1-07.23(1) to read as follows:

Contractor shall maintain pedestrian and vehicular traffic around the work areas at all times. ~~The Contractor shall also maintain ingress and egress to local businesses at all times.~~ The Contractor shall submit a traffic control plan for review and acceptance prior to construction. The traffic control plan shall clearly show the type, location and spacing of all traffic control devices. The Contractor shall maintain detour and warning signage ~~signing and changeable message signs (CMS) for the approved detours~~ throughout the duration of work ~~on Colchester Drive E/SE and/or on Yukon Harbor Road SE~~. The traffic control plan shall be updated as needed as work progresses. The Contractor shall be held liable for all claims resulting from the improper installation and/or maintenance of ~~the~~ detour and traffic control plans.

Item 10. REVISE the following bid item description in Section 1-09.2(7) to read as follows:

12A, 12B	Gravel Backfill for Foundations ~~(Allowance)*~~	The unit price shall include all work associated with furnishing and installing gravel backfill for foundations as shown on the drawings, where unsuitable foundation materials are encountered, or as directed by the Engineer or Owner. The unit price shall also include all costs associated with excavating, removing, and disposing of unsuitable materials; furnishing and installing geosynthetic fabric where necessary to stabilize the soils; and hauling, furnishing, installing, and compacting gravel backfill for foundations.

SECTION 06 10 00 ROUGH CARPENTRY

Item 11. CLARIFICATION: Paragraph 2.02 of this section also applies to the ceiling plywood. Ceiling plywood may be ½" thick and does not need to be fire rated.

SECTION 09 21 00 GYPSUM BOARD ASSEMBLIES

Item 12. DELETE Section 09 21 00 Gypsum Board Assemblies from the CSI Specifications as the project does not require any gypsum board.

SECTION 09 96 00 PAINTING AND PROTECTIVE COATINGS

Item 13. CLARIFICATION: For Coating System A, Tnemec 46H-413 Hi-Build Tneme-Tar is an acceptable substitute for the specified Tnemec Series 141 Epoxoline coating.

Item 14. CLARIFICATION: For Coating System C, the Raven 405 coating may be field applied or factory applied. If the coating is factory applied, field coating of joints will still be required. Tnemec 218 and Tnemec 436 wet well coatings are not considered to be equivalent coatings for the interior of wet wells, manholes, or vaults.

Item 15. CLARIFICATION: Paragraph 3.04-2b Exterior concrete buried surfaces of wet well, manholes, valves vaults – Coating System A does not apply to the existing PS19 wet well exterior wall surfaces. It does apply to the new PS 19 top slab and existing surfaces that exposed for construction of the slab.

SECTION 22 13 15.33 AIR VACUUM VALVES

Item 16. ADD Section 22 13 15.33 per the attached specification.

SECTION 22 13 29.16 SUBMERSIBLE WASTEWATER PUMPS

Item 17. CLARIFICATION: A request was made to consider a Flygt NP3127SH 7.5 HP pump as a substitute for the specified Flygt NP3069MT pump. The NP3127 SH pump is not considered to be an equivalent pump that may be substituted for the NP3069MT pump.

Item 18. REVISE "Voltage/Cycle/Phase" description in Table "Submersible Pumps – Pump Station 31" of Paragraph 2.01B, to read "480/60/3" in lieu of "208/60/3 (VFD)". The table for submersible Pumps – Pump Station 31 shall read as follows:

Submersible Pumps – Pump Station 31	
Number of Pumps (1 plus 1 standby)	2
Design Point – One Pump Operation (gpm/ft)	150/28
Minimum Hydraulic Efficiency (one pump)	53%
Motor Horsepower	3.4
Max. Speed, RPM	3,340
Variable Speed	No
Voltage/Cycle/Phase	~~208/60/3 (VFD)~~ 480/60/3
Max. Amperage per Phase (full load)	15.2
Nominal Discharge Diameter, inches	3
Impeller Type	Semi-open, non-clog, adaptive
Material Pumped	Raw Municipal Sewage

SECTION 33 15 16 UTILITY STRUCTURES

Item 19. REVISE Paragraph 2.01A.4 to read as follows:

4. Premolded Joint Compound:

   a. Conseal: CS-231 or CS-440, Concrete Sealants Inc.

   b. Kent Seal, Hamilton Kent.

   c. Or accepted equal.

SECTION 40 61 93.T19 PROCESS CONTROL SYSTEM INPUT/OUTPUT LIST

Item 20. REVISE Channel 11 in Paragraph 2.05 Discrete Inputs to read:

"Diesel Engine Pump Running" in lieu of "Pump 3 Running (Not Used)".

SECTION 40 73 00 PRESSURE GAUGES

Item 21. CLARIFICATION: Drawings C19-2, C19-5, and C31-2 reference Detail 3/C-4, which indicates pressure transmitters are required at force main locations. The pressure gauges are identified on E19-4 and E31-2 as follows:

PIT-301	Force Main at PS 19
PIT-311	Submersible Pump 1 at PS 19
PIT-321	Submersible Pump 2 at PS 19
PIT	Diesel Pump at PS 19
PT	Force Main at PS 31

REVISE the table under Paragraph 1.01B to read as follows:

	Tag ID	~~**Monitored By**~~	**Range**
PS19	Pump 1 – Discharge Pressure	~~PLC~~	0-200 ft Aq
PS19	Pump 2 – Discharge Pressure	~~PLC~~	0-200 ft Aq
PS19	Pump 3 – Discharge Pressure	~~PLC~~	0-200 ft Aq
PS31	Pump 1 – Discharge Pressure	~~PLC~~	0-200 ft Aq
PS31	Pump 2 – Discharge Pressure	~~PLC~~	0-200 ft Aq

SECTION 40 73 46 PARTICULATE DETECTOR

Item 22. REMOVE "PD-294" and associated description from the table in Paragraph 1.01B. The revised table shall read as follows:

Site	**Tag ID**	**Description**	**Type**
PS19	PD-494	Electrical Room Particles	Area
~~PS19~~	~~PD-294~~	~~Engine Room Particles~~	~~Area~~

SECTION 40 77 26 POSITION, SPEED, AND MOTION MEASUREMENT DEVICES

Item 23. REVISE Tag ID to read "ZS-391" in lieu of "ZA-491" so that the table in Paragraph 1.01B reads as follows:

Site	Tag ID	Description	Type
PS 19	~~ZA-491~~ ZS-391	Electrical Room	Door Open
PS 19	ZS-291	Valve Room	Door Open
PS 19	ZS-191	Engine Generator Room	Door Open
PS 19	ZS-192	Engine Generator Room	Door Open

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

Item 24. Drawing C-1: REVISE Note 3 on Detail 1/C-1 to read as follows:

3. See Detail 3/S31-1 ~~Detail 3/S31-3~~ for typical fence mount attachment to the top of retaining wall at PS 31.

Item 25. Drawing E19-4: REVISE the northern level transmitter to read "LT-103" in lieu of "LT-101" and "LSH-393" in lieu of "LS-292".

Item 26. Drawing E19-4: ADD instrumentation callout "LSH-242" with Construction Note 4 callout at the same locations as callout "LSL-241". Construction Note 4 reads as follows:

Install probes offset by at least 2 vertical inches.

Item 27. Drawing E19-4: ADD Construction Note 5, which reads as follows:

LT-131 may be furnished with the diesel pump engine.

Item 28. Drawing C31-2: REVISION: This drawing is showing dark blackout marks in the upper right-hand corner of the bid set. This addendum is replacing that drawing with the attached drawing to remove those marks.

Item 29. Drawing C31-3: REVISE grout fillet to provide a blocked out, flat-bottomed area for the pressure transducer and added Note 8 which read as follows:

8. Adjust dimensions of flat area around pumps, discharge elbow, pressure sensing level probe, and level floats to provide 6" clearance. Hold back grout as required to provide 6" clearance for discharge elbow, pressure sensing level probe, and level floats.

Item 30. Drawing C31-3: CLARIFICATION: A monolithic poured wet well base with sloped walls is an acceptable substituted to the grouted slope walls called out by Pump Station Component #26, provided the prescribed slopes are maintained and a flat-bottomed notch is provided for the Pressure Transducer per Construction Note 8.

Item 31. Drawing C31-2 and C31-3: CLARIFICATION: The precast vault dimensions identified for the valve vault are considered the minimum required dimensions. Large dimensions may be considered to be equal provided the larger dimensions do not adversely impact other items associated with the upgrades.

Item 32. Drawing C31-4: CLARIFICATION: The Pump Station 31 force main does not require an air-vacuum valve.

ATTACHMENTS FOR ADDENDUM #1:

Item 33. Pre-Bid Meeting Attendance List

Item 34. Revised Bid Schedule

Item 35. Section 22 13 15.33

Item 36. Revised Drawing E19-4

Item 37. Revised Drawing C31-3

Item 38. Reissued Drawing E31-2

Item 39. SEPA Exemption Letter

End Addendum #1

Kitsap County Public Works Wasterwater Division
2021-119 IFB
Pump Station 19 – NW Bucklin Hills Rod & Nels Nelson Rd NW, Silverdale, WA
Pump Station 31 – Clover Blossom Land NE, Bremerton, WA
Site Visit Sign-in Sheet
Tuesday, May 18, 2021 @ 9:00AM
PLEASE WRITE LEGIBILITY – PLEASE LEAVE BUSINESS CARD

Name	Company	Phone	Email
JIM LUEBECK	PEASE & SONS	253-531-7700	BIDS@PEASEANDSONS.COM
DION RHASTAD	AWARD CONST.	206-552-1712	award@award-inc.com dion@award-inc.com
Mark SHERBISMAN	MCCLURE & SONS	425-316-6999	BIDS@MCCLUREANDSONS.com
Will Murphy	Xyler	253-255-1389	will.murphy@xyler.com
David S Berry	Redside Const	206 357 6400	samr@redside.biz
GARY WOOD	HARBOR PACIFIC CONTRACTORS	425 488 7131	garyw@hbpacific.com
BRENT RICHARDS	INCO	360 815 7518	BRICHARDS@INCOCONSTRUCTION.COM
ED HAGEDORN	STELLAR J	360.225.1996	BIDS@STELLARJ.COM
RYAN HEATHERS	ACI	253 606 8638	RyanH@activeconstruction.com
Bradley Appleman	Pape + Sons	253 851 6040	brada@Papeinc.com
Jon Vandergrift	Ceccanti		jon@ceccantiinc.com

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BID SCHEDULE

SCHEDULE A – Pump Station 19

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]	1 LS		$	$
5A Type B Schedules[2]	12 MO		$	$
6A Minor Change (Allowance)*	1 FA	Hundred Thirty Thousand Dollars and No Cents	$130,000.00	$130,000.00
7A Mobilization and Demobilization	1 LS		$	$
8A Operation and Maintenance Manuals[3]	1 LS		$	$
9A Dewatering (Allowance)	1 FA	Eighty Thousand Dollars and No Cents	$80,000.00	$80,000.00
10A Bypass Pumping	1 LS		$	$
11A Excavation Support Systems	1 LS		$	$

[1] The lump sum for this bid item shall be at least 0.5% of the total bid amount for Schedule A.
[2] The unit price for this bid item shall not be less than $500.00 per month for Schedule A.
[3] The lump sum for this bid item shall be at least 0.5% of the total bid amount for Schedule A.

SCHEDULE A – Pump Station 19

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
12A Gravel Backfill for Foundations	200 Tons	_____	$ _____	$ _____
13A Crushed Surfacing Base Course	105 Tons	_____	$ _____	$ _____
14A Crushed Surfacing Top Course	60 Tons	_____	$ _____	$ _____
15A HMA Pavement	10 Tons	_____	$ _____	$ _____
16A Temporary Erosion and Sediment Control	1 LS	_____	$ _____	$ _____
17A PS 19 Submersible Pumps	1 LS	_____	$ _____	$ _____
18A PS 19 Mechanical Work	1 LS	_____	$ _____	$ _____
19A PS 19 Electrical Work	1 LS	_____	$ _____	$ _____
20A PS 19 Wet Well Modifications	1 LS	_____	$ _____	$ _____
21A PS 19 Diesel Pump	1 LS	_____	$ _____	$ _____
22A PS 19 Control Building	1 LS	_____	$ _____	$ _____
23A PS 19 Storm Drainage	1 LS	_____	$ _____	$ _____

SCHEDULE A – Pump Station 19

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
24A Permeable Concrete Pavement	1 LS		$	$
25A PS 19 Miscellaneous Site Work	1 LS		$	$
26A Existing Utility Relocation (Allowance)*	1 FA	Fifty Thousand Dollars and No Cents	$50,000	$50,000
27A PS 19 Facility Testing and Startup[4]	1 LS		$	$

Subtotal of Schedule A Bid Items	$
Sales Tax @ 9%	$
Total for Schedule A – Pump Station 19	$

[4] The lump sum for this bid item shall be at least 1.0% of the total bid amount for Schedule A.

SCHEDULE B – Pump Station 31

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[5]	1 LS		$	$
5B	Type B Schedules[6]	10 MO		$	$
6B	Minor Change (Allowance)*	1 FA	Fifty Thousand Dollars and No Cents	$50,000.00	$50,000.00
7B	Mobilization and Demobilization	1 LS		$	$
8B	Operation and Maintenance Manuals[7]	1 LS		$	$
9B	Dewatering (Allowance)	1 FA	Sixty Thousand Dollars and No Cents	$60,000.00	$60,000.00
10B	Bypass Pumping	1 LS		$	$
11B	Excavation Support Systems	1 LS		$	$

[5] The lump sum for this bid item shall be at least 0.5% of the total bid amount for Schedule B.
[6] The unit price for this bid item shall not be less than $500.00 per month for Schedule B.
[7] The lump sum for this bid item shall be at least 0.5% of the total bid amount for Schedule B.

SCHEDULE B – Pump Station 31

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
12B Gravel Backfill for Foundations	60 Tons	_____	$ _____	$ _____
13B Crushed Surfacing Base Course	10 Tons	_____	$ _____	$ _____
14B Crushed Surfacing Top Course	40 Tons	_____	$ _____	$ _____
15B HMA Pavement	10 Tons	_____	$ _____	$ _____
16B Temporary Erosion and Sediment Control	1 LS	_____	$ _____	$ _____
17B PS 31 Submersible Pumps	1 LS	_____	$ _____	$ _____
18B PS 31 Mechanical Work	1 LS	_____	$ _____	$ _____
19B PS 31 Electrical Work	1 LS	_____	$ _____	$ _____
20B PS 31 Wet Well Modifications	1 LS	_____	$ _____	$ _____
21B PS 31 Retaining Walls	1 LS	_____	$ _____	$ _____
22B PS 31 Storm Drainage	1 LS	_____	$ _____	$ _____
23B PS 31 Miscellaneous Site Work	1 LS	_____	$ _____	$ _____

SCHEDULE B – Pump Station 31

Item No.	Est. Quantity	Unit Price (in words)	Unit Price (in Numbers)	Extended Amount (Qty x Unit Price) (in numbers)
24B PS 31 Facility Testing and Startup[8]	1 LS	_____	$ _____	$ _____

Subtotal of Schedule B Bid Items	$ _____
Sales Tax @ 9%	$ _____
Total for Schedule B – Pump Station 31	$ _____

TOTAL FOR SCHEDULES A AND B WITH SALES TAXS	**$** _____

*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.

[8] The lump sum for this bid item shall be at least 1.0% of the total bid amount for Schedule B.

SECTION 22 13 15.33
AIR VACUUM VALVES

PART 1 : GENERAL

1.01 DESCRIPTION OF WORK

A. Section Includes:

1. Combination air vacuum valves for wastewater service.

1.02 QUALITY ASSURANCE

A. REFERENCED STANDARDS

1. American Water Works Association (AWWA):

a. C512, Standard for Air-Release, Air/Vacuum, and Combination Air Valves for Waterworks Service.

1.03 SUBMITTALS

A. In accordance with the provisions of Section 1-06 of the WSDOT Division 1 Special Provisions, submit the following:

1. See Specification Section 22 13 15 – Valves: Basic Requirements.

B. Operation and Maintenance Manuals.

PART 2 : PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Subject to compliance with the Contract Documents, manufacturers listed under the valve with types are acceptable.

B. Submit request for substitution in accordance with the WSDOT Division 1 Special Provisions.

2.02 COMBINATION AIR VACUUM VALVES

A. Comply with AWWA C512.

B. Acceptable valves:

1. A.R.I. Model D-020 or D-025.
2. Approved equal.

C. Materials:

1. Body and cover: Stainless Steel.
2. Internal metal parts: Corrosion resistant stainless steel.

3. Float: stainless steel.
4. Valve coating: fusion bonded epoxy according to DIN 30677-2.

D. Design requirements:

1. Integral flanged end, flat faced and drilled per ANSI B16.1 Class 125.
2. Working pressure range: 3 to 250 psi.
3. Conical body shall be designed to maintain the maximum distance between the liquid and the sealing mechanism and still obtain minimum body length.
4. Independent spring-guided linkage between the lower float/rod assembly and the upper float sealing mechanism shall allow free movement of the float and rod. Vibrations and movement of the lower float due to turbulence shall not unseal the upper float sealing mechanism.

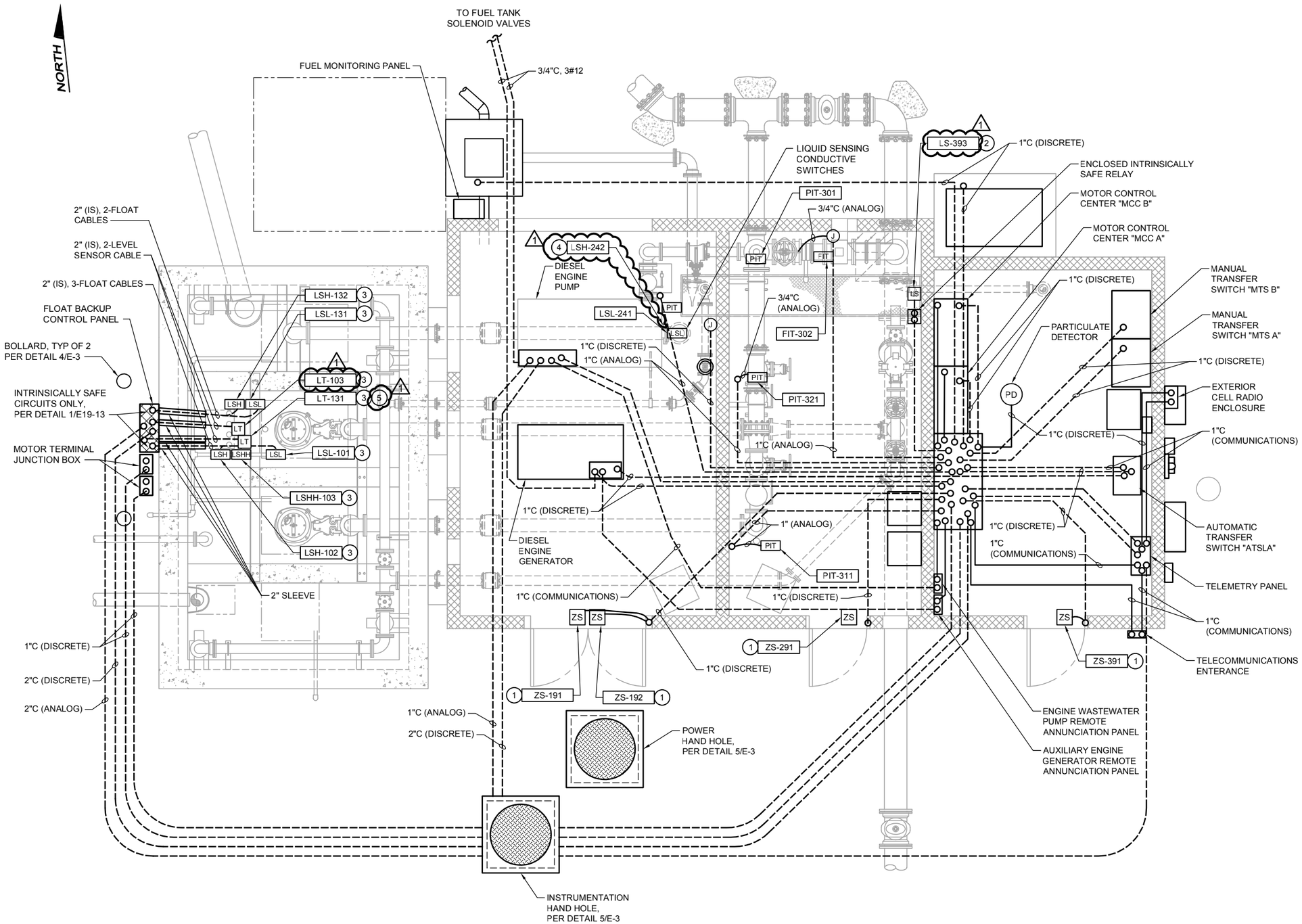
PART 3 : EXECUTION

3.01 INSTALLATION

A. See Specification Section 22 13 15 – Valves: Basic Requirements.

B. Install in accordance with manufacturer's instructions.

END OF SECTION



NOTES:

1. SEE RISER DIAGRAMS ON E19-10 FOR CONDUCTOR AND CABLE INFORMATION.
2. ROUTE ANALOG SIGNALS (4-20mA), COMMUNICATIONS, AND DISCRETE SIGNALS IN SEPARATE RACEWAY.
3. PROVIDE 30" LENGTH DUCTILE IRON PIPE SLEEVE FOR EACH RACEWAY WHERE CROSSING BUILDING FOOTINGS AT LEAST 2 TRACE SIZE LARGER THAN CONDUIT. IT IS ACCEPTABLE TO ROUTE MULTIPLE CONDUITS IN SINGLE DUCTILE IRON SLEEVE.
4. ROUTE RACEWAY AROUND FLOATING PAD FOR ENGINE GENERATOR AND ENGINE PUMP; DO NOT ROUTE UNDER FLOATING PAD.

CONSTRUCTION NOTES:

1. ROUTE DOOR OPEN SWITCH CONDUCTORS THROUGH HOLLOW DOOR JAMB OR THROUGH CONDUIT IN ADJACENT CMU UNIT SPACE.
2. PROVIDE JUNCTION BOX BELOW GRATE. POSITION LEVEL SWITCH TO ACTUATE 1 INCH ABOVE TRENCH BOTTOM.
3. PROVIDE SCHEDULE 80 PVC CONDUIT TO SUPPORT CABLE WITHIN WET WELL BETWEEN SLEEVE AND LOCATION ACCESSIBLE FROM HATCH.
4. INSTALL PROBES OFFSET BY AT LEAST 2 VERTICAL INCHES.
5. LT-131 MAY BE FURNISHED WITH THE DIESEL ENGINE PUMP.

Call 48 Hours Before You Dig
1-800-424-5555
UNDERGROUND SERVICE

No.	Revision	Date	By	App'd
1	ADDENDUM #1	05-21-21	TF	RAD
	ISSUED FOR BID	04-2021	TF	RAD

BHC CONSULTANTS
BHC Consultants, LLC
1601 Fifth Avenue, Suite 500
Seattle, Washington 98101
206.505.3400
206.505.3406 (fax)
www.bhcconsultants.com

Designed: N. Palmatier, P.E.
Drawn: S. Olsoe
Checked: R. Dorn, P.E.

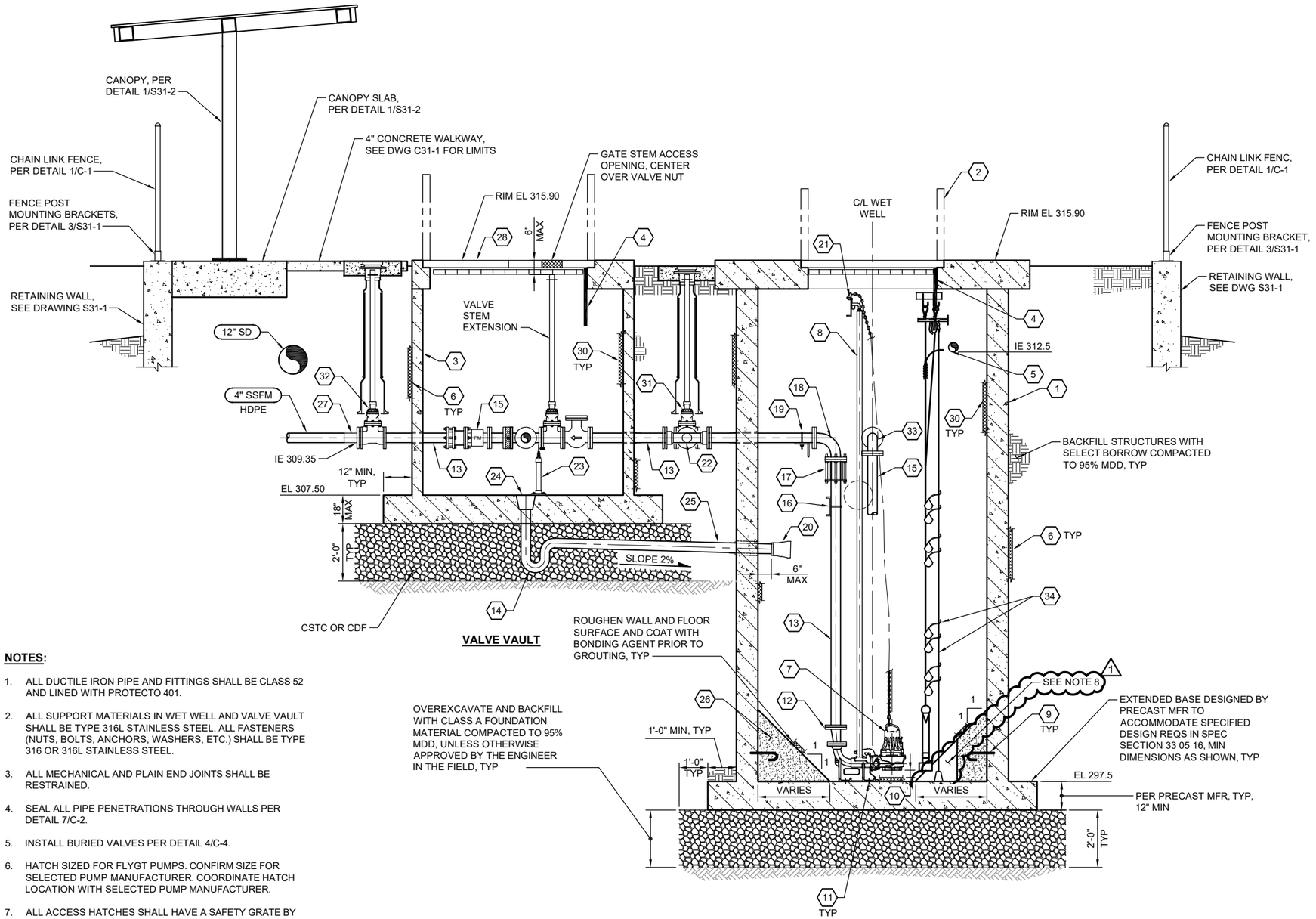
Scale: 3/8" = 1'-0"
One Inch at Full Scale
If Not One Inch Scale Accordingly

Kitsap County Public Works
614 Division Street, MS 26
Port Orchard, WA 98366

SILVERDALE PUMP STATION 19 AND 31 UPGRADES

PUMP STATION 19 INSTRUMENTATION AND CONTROLS ELECTRICAL PLAN

Drawing: E19-4
Sheet: 60 of 92
File: P19-10530_E19-4
Date: April 2021



WET WELL AND VALVE VAULT
SECTION A
SCALE: 1/2" = 1'-0" C31-2

NOTES:

1. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE CLASS 52 AND LINED WITH PROTECTO 401.
2. ALL SUPPORT MATERIALS IN WET WELL AND VALVE VAULT SHALL BE TYPE 316L STAINLESS STEEL. ALL FASTENERS (NUTS, BOLTS, ANCHORS, WASHERS, ETC.) SHALL BE TYPE 316 OR 316L STAINLESS STEEL.
3. ALL MECHANICAL AND PLAIN END JOINTS SHALL BE RESTRAINED.
4. SEAL ALL PIPE PENETRATIONS THROUGH WALLS PER DETAIL 7/C-2.
5. INSTALL BURIED VALVES PER DETAIL 4/C-4.
6. HATCH SIZED FOR FLYGT PUMPS. CONFIRM SIZE FOR SELECTED PUMP MANUFACTURER. COORDINATE HATCH LOCATION WITH SELECTED PUMP MANUFACTURER.
7. ALL ACCESS HATCHES SHALL HAVE A SAFETY GRATE BY HATCH MANUFACTURER UNLESS NOTED OTHERWISE. SAFETY GRATE SWING SHALL BE THE SAME AS HATCH DOOR. COORDINATE HATCH ON WET WELL WITH GUIDE RAIL MOUNTING TO AVOID CONFLICTS.
8. ADJUST DIMENSIONS OF FLAT AREA AROUND PUMPS, DISCHARGE ELBOW, PRESSURE SENSING LEVEL PROBE AND LEVEL FLOATS TO PROVIDE 6" CLEARANCE. HOLD BACK GROUT AS REQUIRED TO PROVIDE 6" CLEARANCE FOR DISCHARGE ELBOW, PRESSURE SENSING LEVEL PROBE, AND LEVEL FLOATS. (1)

PUMP STATION COMPONENTS

1. 8'-0" INSIDE DIAMETER PRECAST WET WELL, W/ 11' MIN OD FLAT TOP SLAB
2. 5'-0" x 7'-0" ACCESS DOUBLE LEAF ALUM ACCESS HATCH, H-30 RATED, SEE NOTE 6 AND 7
3. 5'-6" x 7'-0" INSIDE DIMENSION PRECAST VAULT
4. HATCH DRAIN, 1 1/2" SCH 40 PVC, PER DETAIL 1/C4
5. 4" PVC VENT, PER DETAIL 3/C-6
6. PREPARE AND FACTORY COAT EXTERIOR CONCRETE WALL SURFACES IN ACCORDANCE WITH SPEC SECTION 09 96 00, WRAP ALL EXTERIOR JOINTS AFTER INSTALLATION PER SPEC SECTION 33 05 16
7. SUBMERSIBLE PUMP, TYP OF 2
8. GUIDE RAIL, SIZE PER PUMP MANUFACTURER, SCH 40 316L SST PIPE FURNISHED AND INSTALLED BY CONTRACOR
9. #4 EPOXY GROUTED DOWEL W/ STD 180 DEG HOOK, MIN 2/3 OF WALL THICKNESS OR 4", WHICHEVER IS LESS, EMBEDDED IN WET WELL WALL, MIN 8-INCH EMBEDDED IN GROUT FILL, SPACE DOWELS AT 2 FEET EACH WAY
10. DISTANCE AS RECOMMENDED BY PUMP MFR, INSTALL DISCHARGE ELBOW ON NON-SHRINK GROUT LEVELING PAD AS REQUIRED
11. TYPE 316 SST ANCHORAGE AS RECOMMENDED BY PUMP MFR
12. 4" x 3" DI ECCENTRIC REDUCER, FL x FL, TYP OF 2
13. 4" DI SPOOL, FL x PE, LENGTH AS REQUIRED, TYP OF 2
14. 4" P-TRAP
15. 4" MAGNETIC FLOW METER W/ 4" DI SPOOL, FL x FL, MATCH LAY LENGTH OF FLOW METER
16. INTERMEDIATE PIPE SUPPORT, SEE DETAIL 3/C-5
17. 4" RFCA, TYP OF 3
18. 4" DI LONG RADIUS 90° BEND, FL x FL, TYP OF 2, IE 309.35
19. TOP PIPE SUPPORT, PER DETAIL 2/C-5
20. 4" DUCKBILL TYPE CHECK VALVE
21. UPPER GUIDE RAIL SUPPORT, PER DETAIL 1/C-5
22. 4" x 4" DI TEE, MJ x FL, IE 309.35
23. ADJUSTABLE PIPE SUPPORT, SEE DETAIL 2/C-2, TYP OF 2
24. 8" ZURN 415-B CAST IRON FLOOR DRAIN CENTERED IN VAULT BASE, SLOPE FLOOR TO DRAIN
25. 4" CISP DRAIN (VAULT)
26. WET WELL GROUT FILLET, SEE DETAIL 2/C31-2, TYP
27. 4" HDPE FLANGE ADAPTOR WITH SST BACKUP RING
28. 60" x 72" DOUBLE LEAF ALUM ACCESS HATCH, H-30 RATED, SEE NOTE 7
29. DAVIT SLEEVE, SHOWN ROTATED FOR CLARITY, PER DETAIL 1/S31-1
30. INTERIOR COATING SYSTEM C PER SECTION 099600
31. 4" GV WITH NUT OPERATOR AND VALVE BOX, FL x MJ, PER DETAIL 4/C-4
32. 4" GV WITH NUT OPERATOR AND VALVE BOX, FL x FL, PER DETAIL 4/C-4
33. 4" DI 90° BEND, FL x FL, WITH BACKFLUSH PIPE, PER DETAIL 1/C-2
34. FLOAT SWITCHES AND PRESSURE TRANSDUCER, SEE ELECTRICAL DRAWINGS FOR DETAILS

Call 48 Hours Before You Dig
1-800-424-5555
UNDERGROUND SERVICE

TONY FISHER STATE OF WASHINGTON 31909 REGISTERED PROFESSIONAL ENGINEER
Issued

No.	Revision	Date	By	App'd
1	ADDENDUM #1	05-21-21	TF	RAD
	ISSUED FOR BID	04-2021	TF	RAD

BHC Consultants, LLC
1601 Fifth Avenue, Suite 500
Seattle, Washington 98101
206.505.3400
206.505.3406 (fax)
www.bhcconsultants.com

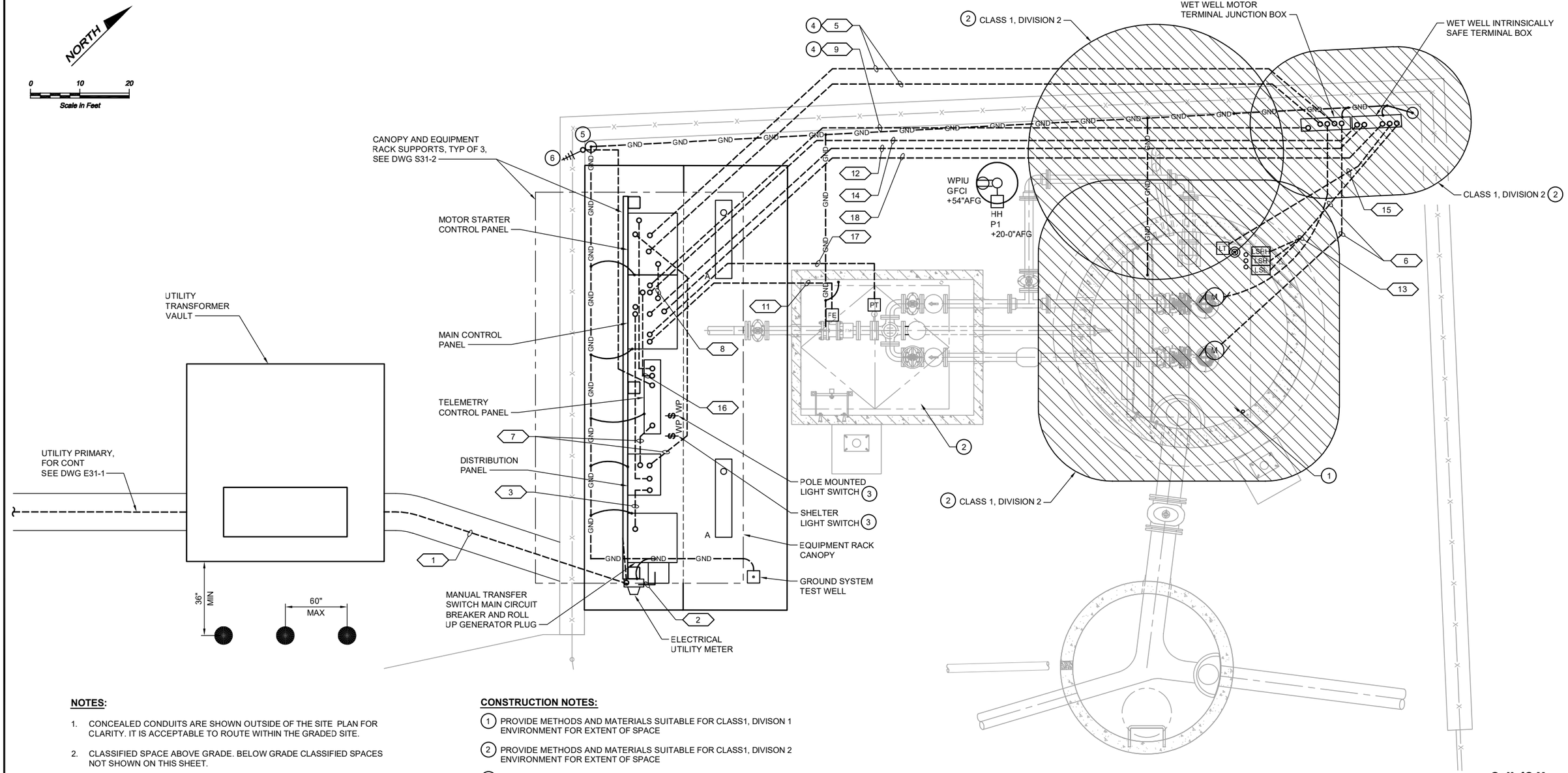
Designed: T. Fisher, P.E.
Drawn: P. Simon
Checked: R. Dorn, P.E.

Scale: 1/2" = 1'-0"
One Inch at Full Scale
If Not One Inch Scale Accordingly

Kitsap County Public Works
614 Division Street, MS 26
Port Orchard, WA 98366

SILVERDALE PUMP STATION 19 AND 31 UPGRADES
PUMP STATION 31
WET WELL AND VALVE VAULT SECTION

Drawing: C31-3
Sheet: 78 of 92
File: P19-10530_C31-2-3
Date: April 2021



NOTES:

1. CONCEALED CONDUITS ARE SHOWN OUTSIDE OF THE SITE PLAN FOR CLARITY. IT IS ACCEPTABLE TO ROUTE WITHIN THE GRADED SITE.
2. CLASSIFIED SPACE ABOVE GRADE. BELOW GRADE CLASSIFIED SPACES NOT SHOWN ON THIS SHEET.
3. ROUTE CONDUIT OR OTHER PENETRATIONS THROUGH BOTTOM OR SIDE OF PANELS. CONDUIT OR OTHER PENETRATIONS THROUGH THE TOP OF ENCLOSURES ARE NOT ACCEPTABLE.
3. SEE DRAWING E31-3 FOR CIRCUIT SCHEDULE. FOR UNMARKED, 120 CIRCUITS (EG, LIGHTS AND RECEPTACLES), PROVIDE MINIMUM 3/4"C, 1#12 & 1#12N & 1#12G)

CONSTRUCTION NOTES:

1. PROVIDE METHODS AND MATERIALS SUITABLE FOR CLASS1, DIVISON 1 ENVIRONMENT FOR EXTENT OF SPACE
2. PROVIDE METHODS AND MATERIALS SUITABLE FOR CLASS1, DIVISON 2 ENVIRONMENT FOR EXTENT OF SPACE
3. MOUNT LIGHT SWITCHES BELOW TELEMETRY PANEL.
4. ROUTE CIRCUIT WITHIN SITE.
5. PROVIDE 2" SST-RMC ANTENNA MAST WITH WEATHERHEAD. ATTACH ANTENNA MAST TO OUTSIDE OF STRUCTURE. EXTEND MAST SO ANTENNA IS AT LEAST 30" ABOVE PEAK OF ROOF.
6. POSITION RADIO ANTENNA AND AIM TOWARD CENTRAL KITSAP WWTP.

Call 48 Hours Before You Dig
1-800-424-5555
UNDERGROUND SERVICE

NATHANIEL GUY PALMATIER — STATE OF WASHINGTON — 44806 — REGISTERED PROFESSIONAL ENGINEER — 4.15.21

No.	Revision	Date	By	App'd
	ISSUED FOR BID	04-2021	TF	RAD

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[illegible]
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206.505.3406 (fax)
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Designed: N. Palmatier, P.E.
Drawn: A. Bradley
Checked: R. Dorn, P.E.

Scale: 1/2" = 1'-0"
One Inch at Full Scale
If Not One Inch Scale Accordingly

Kitsap County Public Works
614 Division Street, MS 26
Port Orchard, WA 98366

SILVERDALE PUMP STATION 19 AND 31 UPGRADES

PUMP STATION 31
ELECTRICAL SITE PLAN

Drawing: E31-2
Sheet: 84 of 92
File: P19-10530_E31-2
Date: April 2021

Path: S:\Cad\Kitsap County\19-10530 PS 19-31\Design\dwgs 2 Filename: P19-10530_E31-2 Plot date: Apr 23, 2021-10:16:20am CAD User: psmon.
Xref Filename: | X19-10530_TB | Palmatier | X19-10530_PS31 Prop PS | X19-10530_PS31 Prop Elec PS | Dahl | Fisher |

KITSAP COUNTY DEPARTMENT OF COMMUNITY DEVELOPMENT

619 DIVISION STREET MS-36, PORT ORCHARD WASHINGTON 98366-4682 JEFF RIMACK, Director
(360) 337-5777 HOME PAGE - www.kitsapgov.com/dcd/

DETERMINATION OF SEPA EXEMPTION

Description of Proposal: **Kitsap County Public Works, Site Development Permits 20-03420 and 20-03419 for retrofit work at Sewer Pump Stations 19 and 31;** the projects entail station building repair, replacements and equipment upgrades to sewer utility lift stations 19 and 31 for the Kitsap County Public Works, Sewer Utility Division. The planned works are considered replacements of existing infrastructure and uses. Minor enhancements to the facilities are planned within the fenced perimeter, which includes parking and gravel placement. There are streams and wetland associated with both facilities, but no work is proposed outside of the fenced facility perimeters. Replanting of minor disturbed areas will be completed.

Proponent: Kitsap County Public Works, Sewer Utility Division

Lead Agency: Kitsap County

Location of proposal: PS-19 is located at the intersection of NW Bucklin Hill Rd and Nels Nelson Road NW, in Silverdale, WA. PS-31 is located at the end of a Cul-de-Sac on Clover Blossom Lane, Bremerton, WA.

We have reviewed the plans for the proposed project for SEPA requirements, as referenced above. The proposal to repair and replace the existing stations, repair infrastructure, pumps and provide enhanced parking areas within the fenced perimeter of the Pump station perimeter has been determined to be exempt from SEPA in accordance with *WAC 197-11-800(3) Repair, Remodeling and Maintenance Activities.*

Should you have any questions regarding this project, please contact Steve Heacock, SEPA Coordinator, via e-mail at sheacock@co.kitsap.wa.us

Responsible Official: Scott Diener Contact: Steve Heacock
Position/Title: SEPA Coordinator, Dept. of Community Development Phone: (360)337-5777
Address: 614 Division Street, Port Orchard, WA 98366

DATE: May 20, 2020 Signature: Steve Heacock