

**ADDENDUM NO. 3
TO THE
CONTRACT DOCUMENTS
FOR**

**City of Port Orchard, Washington
MCCORMICK WOODS WELL 11 SITE IMPROVEMENT PROJECT**

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS TO THE SAME EXTENT AS THOUGH IT WERE ORIGINALLY INCLUDED THEREIN.

BIDDERS MUST ACKNOWLEDGE RECEIPT OF ALL ADDENDA ON THE BID PROPOSAL FORM. BID PROPOSALS THAT FAIL TO ACKNOWLEDGE ALL ADDENDA MAY BE CONSIDERED IRREGULAR AND MAY BE REJECTED.

THE DATE AND TIME OF THE BID OPENING HAS BEEN CHANGED TO THURSDAY, JULY 20, 2023.

ISSUED THIS 17TH DAY OF JULY 2023.



7/17/2023

CONSOR
600 University Street, Suite 300
Seattle, WA 98101

ITEM NO. 1 – Bidders Questions

1. “The scope of work and drawing C-2 reference decommissioning Wells 1 & 2 and converting Well 3 to a monitoring well. We need well logs for each well to determine abandonment plan & cost. Also, what is the scope to convert Well 3 to a monitoring well. This can be as complex as sealing in a smaller size casing/screen in the existing well or simply remove pump (if any) & have port access at well head.”
 - a. Well reports are attached. Well 3 conversion will consist of removal of the pump and installation of port access at the well head.
2. “We see a reference to Asbestos Removal and Abatement in the contract documents but we cannot find a Hazardous Materials Report, does this exist? If so, can you please post in an addendum.”
 - a. A Hazardous Materials Report does not exist for this project. Asbestos testing is anticipated to be a requirement for the demolition permit and is the responsibility of the Contractor. If Asbestos Removal and Abatement is required, this Work will be done as Force Account under the Minor Changes bid item.
3. “1.1 SCOPE calls for “a chemical feed skid with two chlorine feed pumps with capacities as shown below. The contractor shall also furnish and install a chemical feed pump for sodium fluoride with the capacity shown below.”

Sodium Hypochlorite:

3.2.B. calls for (4) hypo pumps: “Sodium Hypochlorite Pump Tag Numbers: WTR22MP_01, WTR22MP_02, WTR12MP_01, WTR12MP_02”

Plan M1 indicates a hypochlorite duplex skid, but I-4 indicates the skid is “existing”

Q. Are you expecting a bid on (4) sodium hypochlorite pumps, (2) mounted on a duplex skid, and (2) spare pumps?

Sodium Fluoride:

3.2.C. calls for (2) fluoride pumps: “Sodium Fluoride Pump Tag Numbers: WTR22MP_03, WTR12MP_03”

Plan M1 indicates a fluoride pump (only), and I-4 indicates a fluoride pump skid. However, section 46 33 14 described a “Self-Contained Fluoride Upflow Saturator and Feed System, complete with pump, tank, control panel, etc.

Q. Are you expecting a bid on (2) sodium fluoride pumps, (1) mounted on a complete fluoride feed system (as described) and (1) spare pump?”

- a. Yes, provide four (4) sodium hypochlorite pumps (two spares), and two (2) sodium fluoride pumps (one spare).
4. “[46 30 00] What are the capacities and communication signals required for each metering pump?”
 - a. Capacity shall be up to 18 gph at 25 psig. See Specifications 4 below.
 - b. See Specifications 5 below for communication signals.
 5. “46 33 13 2.9 Hydrogen In-Air Detector & Alarm – Described as “optional” in specs, but not show in plans. Part of bid scope?”
 - a. Include the Hydrogen In-Air Detector & Alarm. See Specifications 2 below.
 6. “46 33 13 3.3 Warranty – Electrolyzer Cells warranted for 1 year, not 2. Okay to provide 2 additional cells in lieu of 2 year warranty?”
 - a. See Specifications 6 below.

7. "46 33 13 2.6.B.1 Ultrasonic level transmitter control – We have found ultrasonic doesn't work well with hypo. Okay to provide radar level indicator?"
 - a. Radar level indicator is acceptable, see Specifications 3 below.
8. "Will the bid be postponed to allow time to get the information on the tanks? Size? Hatches? Vents?"
 - a. Per Addendum 2, the bid has been extended to July 20th. It will not be extended further.
9. "The water heater piping is not shown on any drawings, please confirm routing."
 - a. The water heater will connect to the Emergency Eye Wash & Showers with 3/4" copper piping.
10. "Chemical system piping is not shown. Please provide schematic."
 - a. See attached revision to M-3.
11. "Generator pad thickness is not shown."
 - a. Contractor's attention is directed to Detail 8/S-6.
12. "The discharge of the booster pumps appears to be 250lb flanges. Is the rest of the piping 250lb?"
 - a. The booster pump flanges are 150 # RF ANSI flanges. See Specifications 1 below.
13. "What material is the 2" pipe shown in Section B on M-2?"
 - a. Ductile iron.
14. "I-4 Booster pump schematic shows different size pipe and valves than what is shown on M-1, please advise which one is correct."
 - a. M-1 has the correct pipe sizes and valves.
15. "Existing PS concrete pad thickness, existing generator pad thickness?"
 - a. Existing pad thicknesses are unknown.
16. "Plan sheet C-4 shows various locations where we tie into the existing lines. I do not see what depths we should expect these lines to be at. Please provide assumed i.e. for tie in points on C04."
 - a. Depths are unknown but anticipated to be less than 5-feet deep.
17. "Just received Addendum #2, Regarding that Hazardous Material Report, PCI will plan to include costs to perform the report, but for bidding purposes, as there is no information available, we will assume that there is no hazardous materials present. If the report comes back identifying hazards not identified in the bid set of plans/specs, it would be addressed under a change of conditions. If there are any current hazards known, please identify them in the bidding documents and we will include costs as applicable."
 - a. A Hazardous Materials Report does not exist for this project. Asbestos testing is anticipated to be a requirement for the demolition permit and is the responsibility of the Contractor. If Asbestos Removal and Abatement is required, this Work will be done as Force Account under the Minor Changes bid item

ITEM NO. 2 – Specifications

1. REPLACE the Suction Flange Rating and Discharge Flange Rating in Section 2.1.E of 43 21 10 Vertical Turbine Pumps with the following:

150 # RF ANSI

2. MODIFY Section 2.9 of 46 33 13 On-Site Electrolytic Hypochlorite Generation System as follows:

HYDROGEN-IN-AIR DETECTOR & ALARM (~~Optional~~)

D. LED readout of gas concentration in percent and a 4-20 mA proportional output signal shall also be available and connected to the SCADA system.

3. MODIFY Section 2.6.B.1 of 46 33 13 On-Site Electrolytic Hypochlorite Generation System as follows:

Ultrasonic level transmitter control or radar level control with 4-20 mA output for start-stop operation of the system; FM and CSA Intrinsically safe; Wetted material shall be suitable for 1.0% hypochlorite solution.

4. MODIFY Section 3.2 of 46 33 00 Chlorine Feed Pumps as follows:

Maximum design discharge pressure 25 psig

5. REPLACE Section 2.5 of 46 33 00 Chlorine Feed Pumps with the following:

- A. Provide a remote status indication of "pump running" with an isolated contact closure, rated for 5 amperes at 120-volt ac.
- B. Provide a percent of speed with 4- to 20-mA d-c output corresponding to 0% to 100% speed for remote indication of metering pump pump.

6. REPLACE Section 3.3.B of 46 33 13 with the following:

Electrolyzer(s) shall be warranted for 24 months from date of start-up or warranted for 12 months from date of start-up and provided with two (2) additional cells.

END OF ADDENDUM NO. 3

WATER WELL REPORT
STATE OF WASHINGTON

23/1-9C

RECEIVED
Permit No. SEP 04 1984

(1) OWNER: Name McCormick Land Co. Address 2201 3rd Ave. Seattle, WA 98121

(2) LOCATION OF WELL: County Kitsap NE 1/4 NW 1/4 Sec. 9 T. 23 N., R. 1E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic Industrial Municipal
Irrigation Test Well Other

(4) TYPE OF WORK: Owner's number of well 1
(if more than one):
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 12 inches.
Drilled 479 ft. Depth of completed well 283 ft.

(6) CONSTRUCTION DETAILS:
Casing installed: 12" Diam. from + 2 ft. to 230 ft.
Threaded " Diam. from _____ ft. to _____ ft.
Welded " Diam. from _____ ft. to _____ ft.

Perforations: Yes No
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.
perforations from _____ ft. to _____ ft.

Screens: Yes No
Manufacturer's Name Johnson
Type watermark S.S. Model No. _____
Diam. 10" PS Slot size 20-40 from 229 ft. to 243 ft.
Diam. 10" PS Slot size 15-20 from 260.4 ft. to 281 ft.

Gravel packed: Yes No Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes No To what depth? 20 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P.

(8) WATER LEVELS: Land-surface elevation 420 ft.
Static level 125.3 ft. below top of well Date 5-4-84
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap. valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level.
Was a pump test made? Yes No If yes, by whom? Robinson & Noble
Yield: 175 gal./min. with 73 ft. drawdown after 4 hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)
Time Water Level Time Water Level Time Water Level
0 198 60 125.60
1min 108.5 90 125.52
10 125.95
Date of test 5-4-84
Bailer test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water 48 F Was a chemical analysis made? Yes No

(10) WELL LOG: 23-01-9C NORTHWEST REGION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Gray sand, gravel and clay	0	26
Brown sand, gravel and clay	26	49
Brown sand with some gravel	49	58
Brown gravel	58	64
Brown sand and gravel	64	82
Brown med. sand with gravel and occasional clay layers	82	90
Brown silt and clay with some fine sand	90	99
Gray clay with some silt	99	114
Brown sand and clay with some gravel	114	124
Brown fine to med. sand some very fine sand	124	155
Orange-brown sand and gravel	155	159
Gray-brown silt and very fine sand with some peat	159	166
Orange-brown sand, gravel, clay	166	168
Brown sand and gravel	168	183
Brown silty sand with some gravel	183	198
Brown sand and gravel alternating with clay rich sand and gravel layers	198	210
Brown silty sand some gravel	210	229
Brown sand and gravel	229	236
Brown sand with some gravel	236	260
Brown sand	260	334
Gray clay	334	336
Brown silty sand	336	348
Gray clay	348	368
Brown silty sand some gravel	368	446
Gray silt	446	479

Work started Feb. 21, 1984 Completed May 8, 1984

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Nicholson Drilling Company
(Person, firm, or corporation) (Type or print)

Address P.O. Box 123 Port Orchard, WA 98366

[Signed] R. E. Nicholson
(Well Driller)

License No. 0520 Date Aug. 30, 1984

The Department of Ecology does NOT Warrant the Data and/or the Information on this Well Report.

WATER WELL REPORT

STATE OF WASHINGTON

Application No.

RECEIVED

23/1-9C

(1) OWNER: Name **McCormick Land Co.** Address **2201 3rd Ave. Seattle, WA 98121**

(2) LOCATION OF WELL: County **Kitsap** NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 9 T 33 N. R. 13 W.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic Industrial Municipal
Irrigation Test Well Other

(4) TYPE OF WORK: Owner's number of well (if more than one) **2**
New well Method: Dug Bored
Deepened Cable Driven
Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well **12** inches.
Drilled **216** ft. Depth of completed well **215** ft.

(6) CONSTRUCTION DETAILS:
Casing installed: **12** " Diam. from **+2** ft. to **170.5** ft.
Threaded " Diam. from _____ ft. to _____ ft.
Welded " Diam. from _____ ft. to _____ ft.

Perforations: Yes No
Type of perforator used _____
SIZE of perforations _____ in. by _____ in.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes No
Manufacturer's Name **Johnson**
Type **Watermark S.S.** Model No _____
Diam. **6" PS** Slot size **60** from **168** ft. to **210** ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes No Size of gravel: **4x8**
Gravel placed from **161.4** ft. to **215** ft.

Surface seal: Yes No To what depth? **18** ft.
Material used in seal **Bentonite/cement**
Did any strata contain unusable water? Yes No
Type of water? _____ Depth of strata _____
Method of sealing strata off _____

(7) PUMP: Manufacturer's Name **Berkeley**
Type **Submersible** H.P. **115**

(8) WATER LEVELS: Land-surface elevation **420** ft.
above mean sea level.
Static level **126.7** ft. below top of well Date **8-6-84**
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level lowered below static level
Was a pump test made? Yes No If yes, by whom? **Robinson & Noble**
Yield: **397** gal./min. with **30** ft. drawdown after **24** hrs.
" " " " " "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	156.7	100	127.8		
1min	125.1	1478	126.7		
10	129.5				

Date of test **8-6,7-84**
Ballor test _____ gal./min. with _____ ft. drawdown after _____ hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water **48 F** Was a chemical analysis made? Yes No

(10) WELL LOG: **23-01-9C** DEPARTMENT OF ECOLOGY NORTHWEST REGION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Gray sand, gravel and clay, brown after 26'	0	58
Brown sand	58	62
Brown sand and gravel	62	82
Brown med. sand with gravel and occasional clay layers	82	89
Brown silt and clay, some fine sand	89	103
Gray clay with some silt	103	109
Brown sand and clay some gravel	109	124
Brown med. sand, some fine sand, silty, occasional gravel below 145'	124	153
Orange-Brown sand and gravel	153	158
Gray silt with peat and twigs, some sandy layers	158	166
Orange-Brown sand, gravel and silt. Abundant wood at 169'	166	170
Brown sand and gravel	170	183
Brown silty sand, some gravel	183	197
Brown sand and gravel alternating with silty sand and gravel layers	197	210
Brown silty sand, some gravel	210	216

Work started **May 8, 1984** Completed **Aug. 9, 1984**

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME **Nicholson Drilling Company**
(Person, firm, or corporation) (Type or print)
Address **P.O. Box 123 Port Orchard, WA 98366**
[Signed] *R. E. H.* (Well Driller)
License No. **0520** Date **Aug. 30, 1984**

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

WATER WELL REPORT

Application No. 23/190

STATE OF WASHINGTON

Permit No.

(1) OWNER: Name McCormick Woods Water Co. Address 5155 McCormick Woods Drive S.W.

(2) LOCATION OF WELL: County KITSAP - NE 1/4 NW 1/4 Sec. 9 T.23.N., R.1E. W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic Industrial Municipal
 Irrigation Test Well Other

(4) TYPE OF WORK: Owner's number of well (if more than one) WELL 3
 New well Method: Dug Bored
 Deepened Cable Driven
 Reconditioned Rotary Jetted

(5) DIMENSIONS: Diameter of well 12 inches.
 Drilled 229 ft. Depth of completed well 188.3 ft.

(6) CONSTRUCTION DETAILS:
 Casing installed: 12" Diam. from +1.8 ft. to 172.9 ft.
 Threaded " Diam. from ft. to ft.
 Welded " Diam. from ft. to ft.

Perforations: Yes No
 Type of perforator used.....
 SIZE of perforations in. by in.
 perforations from ft. to ft.
 perforations from ft. to ft.
 perforations from ft. to ft.

Screens: Yes No
 Manufacturer's Name JOHNSON
 Type 304 S.S. Model No.
 Diam. 10" P.S. Slot size 100 from 173 ft. to 183 ft.
 Diam. Slot size from ft. to ft.

Gravel packed: Yes No Size of gravel:
 Gravel placed from ft. to ft.

Surface seal: Yes No To what depth? 18 ft.
 Material used in seal CEMENT GROUT
 Did any strata contain unusable water? Yes No
 Type of water? Depth of strata.....
 Method of sealing strata off.....

(7) PUMP: Manufacturer's Name.....
 Type: HP.....

(8) WATER LEVELS: Land-surface elevation above mean sea level... 420 ±
 Static level 135.0 ft. below top of well Date 7/6/89
 Artesian pressure lbs. per square inch Date.....
 Artesian water is controlled by..... (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
 Was a pump test made? Yes No If yes, by whom? ROBINSON + NOBLE
 Yield: 408 gal./min. with 13.8 ft. drawdown after 6.8 hrs.
 "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
0	148.8	9	137.8		
1	140.3	30	136.4		
3	139.5	60	135.9		

Date of test 7/6/89
 Bailer test gal./min. with ft. drawdown after hrs.
 Artesian flow g.p.m. Date.....
 Temperature of water 48° Was a chemical analysis made? Yes No

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
<u>GRAY SILT, SAND AND GRAVEL</u>	<u>0</u>	<u>24</u>
<u>BROWN SILT SAND AND GRAVEL</u>	<u>24</u>	<u>46</u>
<u>BROWN SAND, SOME GRAVEL</u>	<u>46</u>	<u>60</u>
<u>BROWN SAND AND GRAVEL, SOME H₂O</u>	<u>60</u>	<u>87</u>
<u>BROWN SILT</u>	<u>87</u>	<u>91</u>
<u>GRAY SILT</u>	<u>91</u>	<u>97</u>
<u>GRAY SILT AND GRAVEL</u>	<u>97</u>	<u>111</u>
<u>BROWN SAND AND GRAVEL, DRY</u>	<u>111</u>	<u>127</u>
<u>BROWN SILTY SAND</u>	<u>127</u>	<u>145</u>
<u>BROWN FINE & MEDIUM SAND, SOME WATER</u>	<u>145</u>	<u>151</u>
<u>ORANGE-BROWN SAND + GRAVEL</u>	<u>151</u>	<u>157</u>
<u>BROWN SILT WITH PEAT, SOME GRAVEL</u>	<u>157</u>	<u>164</u>
<u>ORANGE-BROWN GRAVEL + SAND</u>	<u>164</u>	<u>183</u>
<u>OCCASIONAL SILT LENS, TILL-LIKE LAYER WITH WOOD AT 164 TO 165, WATER</u>		
<u>BROWN SILTY MEDIUM SAND WITH SOME GRAVEL, WATER</u>	<u>183</u>	<u>203</u>
<u>BROWN GRAVEL AND SAND, WITH SAND LAYERS, WATER</u>	<u>203</u>	<u>219</u>
<u>BROWN FINE TO MEDIUM SAND, OCCASIONAL GRAVEL, WATER.</u>	<u>219</u>	<u>229</u>

AUG 29 1989

DEPARTMENT OF ECOLOGY
 NORTHWEST REGION

Work started 6/9 1989 Completed 7/7 1989

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME HOLT DRILLING, INC.
 (Person, firm, or corporation) (Type or print)

Address 10621 TODD RD E
PUYALLUP WA. 98372

[Signed] [Signature] (Well Driller)

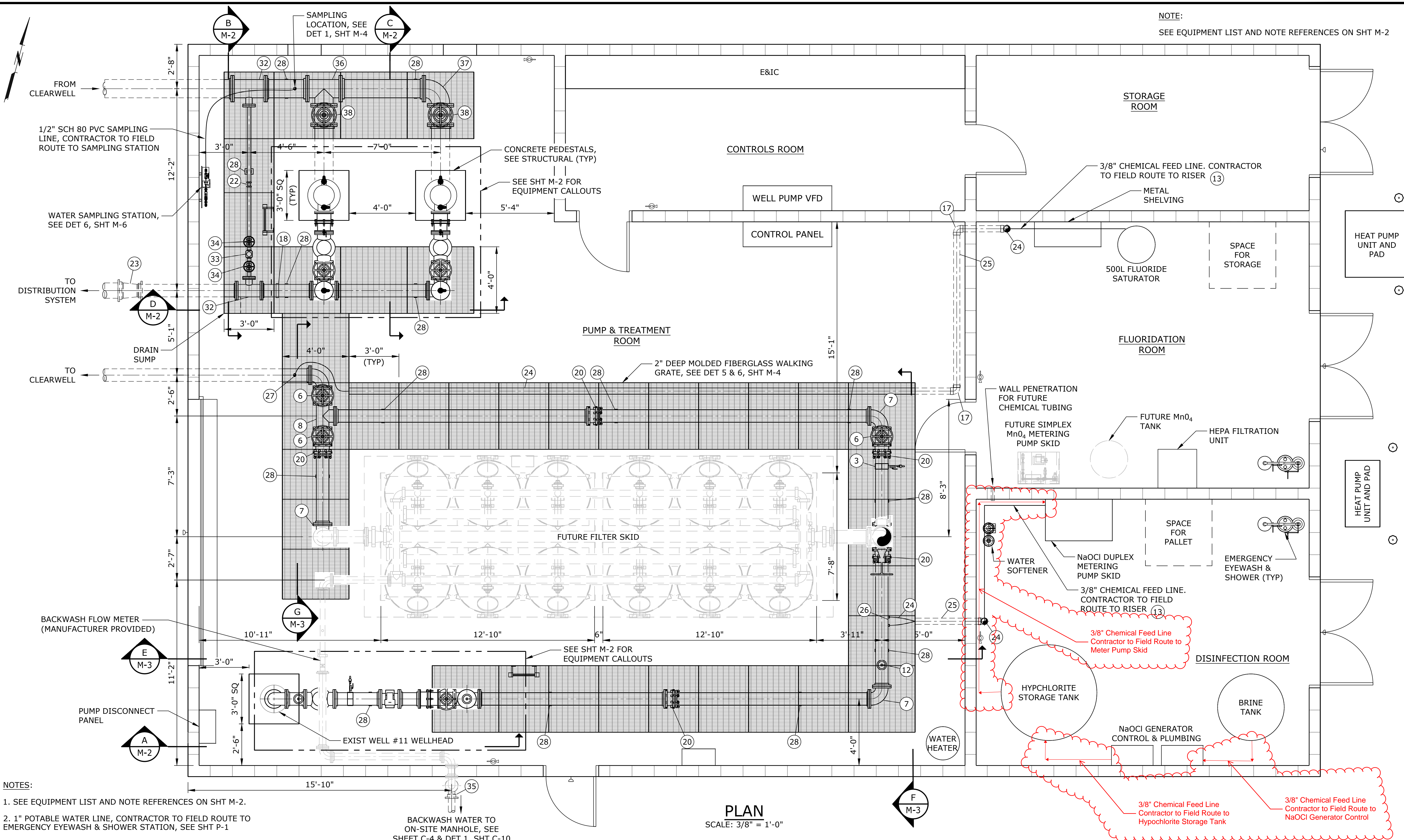
License No. 1094 Date 8-21 1984

PARTIAL
 INORGANIC
 (USE ADDITIONAL SHEETS IF NECESSARY)

The Department of Ecology does NOT Warranty the Data and/or the Information on this Well Report.

H:\evl_projects\20\2839.01 - Port Orchard - Well 11 Amendment 2\CAD\Sheets\20-2839-WA-M-1.dwg M-1 4/21/2023 7:10 AM JARED.CLOUD 23.0s (LMS Tech)

NOTE:
SEE EQUIPMENT LIST AND NOTE REFERENCES ON SHT M-2



- NOTES:
- SEE EQUIPMENT LIST AND NOTE REFERENCES ON SHT M-2.
 - 1" POTABLE WATER LINE, CONTRACTOR TO FIELD ROUTE TO EMERGENCY EYEWASH & SHOWER STATION, SEE SHT P-1

PLAN
SCALE: 3/8" = 1'-0"

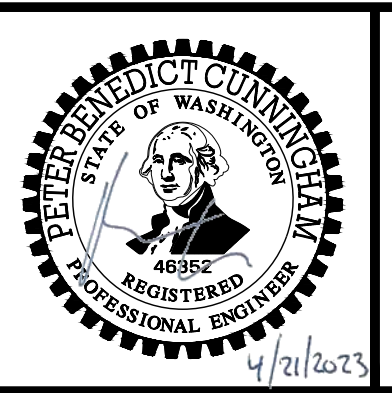
NO.	DATE	BY	REVISION
3	7/17/2023	PBC	Addendum 3 - added chemical feed lines

NOTICE

0 1/2 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

CLB DESIGNED
JLC DRAWN
EKS CHECKED



Port ORCHARD

CITY OF PORT ORCHARD
MCCORMICK WOODS - WELL NO. 11
SITE IMPROVEMENT PROJECT

SHEET M-1

PROJECT NO.: 20-2839.01 SCALE: AS SHOWN DATE: APRIL 2023

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