

TENTATIVE AGENDA
CLEAR LAKE CITY COUNCIL
CITY HALL – 15 N. 6TH STREET
MONDAY, APRIL 21, 2014
CITY HALL – COUNCIL CHAMBERS
6:30 P.M.

1. Call To Order by Mayor Nelson P. Crabb.
2. Approval of Agenda.
3. Consent Agenda:
 - A. Minutes – April 10, 2014
 - B. Approval of the bills & claims.
 - C. Licenses & Permits:
 - Sign Erector's License: Precision Signs, Austin, MN; and MediaQuest Signs, Cedar Rapids; (new).
 - Tax Abatement Application: Nathan Froehner, 308 Pine Brooke Drive.
 - Farmer's Market: Request for use of City Hall Parking Lot on Saturday mornings beginning May 10th through October 18th.
4. Citizen's opportunity to address the Council on items not on the agenda:
 - In conformance with the City Council's Rules of Procedure, no action can occur on items presented during the Citizens Forum.
 - Please walk to the lectern, state your name (spell last name), address, and subject of your discussion.
 - Speakers are limited to a maximum of five (5) minutes per person.
5. Unfinished Business:
6. New Business:
 - A. Report from Veteran's Memorial Golf Foundation:
 - Review by Shane Cooney, Board member.
 - Discussion and questions by City Council.
 - B. Water Treatment Plant High Service Pumps Replacement Project:
 - Introduction by Scott Flory, City Administrator.
 - Review by Jason Petersburg, P.E., Veenstra & Kimm.
 - Discussion and questions by City Council.

7. Chief of Police's Report:

- Update regarding the City Hall/Police Department Building Renovation Project.
- Upcoming Police and Fire Department training exercises S. 3rd Street City-owned properties.

8. Mayor's Report:

- Announcement concerning Iowa "Great Places" designation.
- Open House for retiring City employees: Library Director Jean Casey (30 years); Asst. Library Director Liz DenHartog (27 years) on Tuesday, April 22nd, between 4-6 p.m., and former Police Chief Greg Peterson (7 years) on Thursday, April 24th, between 4-6:30 p.m.

9. Public Works Director's Report:

- Review of the pre-construction conference for the 2014 Street Resurfacing Project.
- Invitation to bid announcement on 1994 International Single-axle Dump Truck & Plow.

10. City Administrator's Report:

- Update regarding site plan for Windmill Realty LLC Project.
- Update regarding City health insurance premium renewals.
- Water Department Operator position vacancy – new employee.

11. City Attorney's Report:

12. Other Business:

13. Adjournment.

NEXT REGULAR MEETING – MAY 5, 2014

**WATER TREATMENT PLANT HIGH SERVICE PUMP REPLACEMENT PROJECT
CLEAR LAKE, IOWA**

PROJECT COSTS – 60% COST UPDATE

The project costs are summarized in the Table below and organized by construction divisions to minimize areas that would be missed. The costs do reflect recent bidding activities. If the contractor has limited risk for the completion date and can work during winter weather, the project will be more attractive and could result in a better bidding response.

Cost Estimate – High Service Pump Installation

Division	Description	Cost
Division 1 – General	Mobilization, bond, insurance, etc.	\$22,000
Division 2 – Demolition	Pump, piping removals	\$10,000
Division 3 – Concrete	Pump bases, grout, restoration, replace opening in clear well	\$12,000
Division 4 – Masonry	None	\$0
Division 5 – Misc. Metals	Access hatch, demolition for saw cut opening	\$7,500
Division 6 – Wood, Plastics	Minor work effort	\$500
Division 7 – Thermal, Moisture Protection	Caulking	\$500
Division 8 – Doors	None	\$0
Division 9 – Coatings	Painting piping, valves, equipment, and miscellaneous other items	\$12,500
Division 10 – Specialties	None	\$0
Division 11 – Equipment Installed	High service pumps (2), sump pump	\$75,000
Division 12 – Furnishings	None	\$0
Division 13 – Special Construction	Inside process piping, valves, fittings	\$65,400
Division 14 – Conveying	Minor, lift eye	\$2,000
Division 15 – Mechanical	Seal water, HVAC, humidity control (2 locations)	\$25,000
Division 16 – Electrical	VFD (2) and controls, wiring, connections, reconnect 2 pumps	\$150,000
Division 17 –Instrumentation	Programming, systems integration, control devices, miscellaneous	<u>\$50,000</u>

CONSTRUCTION SUBTOTAL	\$432,400
CONTINGENCIES (10%)	<u>\$43,200</u>
TOTAL ESTIMATED CONSTRUCTION	\$475,600

ENGINEERING – DESIGN & CONSTRUCTION MANAGEMENT (15%)	<u>\$71,300</u>
TOTAL PROJECT COST	\$546,900

Note: City Council budgeted \$550,000 between FY14 & FY15



VEENSTRA & KIMM, INC.
2800 Fourth Street SW, Suite 9 • Mason City, Iowa 50401-1596
641-421-8008 • 641-380-0313(FAX) • 877-241-8008(WATS)

Jason Petersburg, P.E.
April 14, 2014
Project No. 383132

Project Schedule
Water Treatment Plant High Service Pumps Replacement Project
City of Clear Lake

<u>Task</u>	<u>Date</u>
Review Project Scope and Preliminary Plans with City Council	April 21, 2014
Submit Preliminary Plans to IDNR	April 30, 2014
Final Design Phase	
Electrical Design Site Visit	May 6, 2014
Controls Integration Meeting	May 6, 2014
Final Plans & Specifications Complete	June 20, 2014
Submit Final Plans & Specifications to IDNR	June 20, 2014
City Council Sets Date for Public Hearing and Bid Letting	July 21, 2014
Bid Letting	August 13, 2014
Public Hearing on Plans, Specification, Form of Contract, and Estimate of Cost	August 18, 2014
Contract Award	August 18, 2014
Approve Contract & Bond	September 2, 2014
Begin Construction*	December 1, 2014
Substantial Completion 1948 Clearwell Side	February 2, 2015
Substantial Completion 1972 Clearwell Side	April 17, 2015
Complete Construction	April 30, 2015

* Construction scheduled for low water demand period. Project is good inside winter project for contractors.

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PLANS FOR WATER TREATMENT PLANT HIGH SERVICE PUMP REPLACEMENT PROJECT CLEAR LAKE, IOWA



CITY COUNCIL

JIM BOEHNKE
DANA BRANT
MIKE CALLANAN
GARY HUGI
TONY NELSON

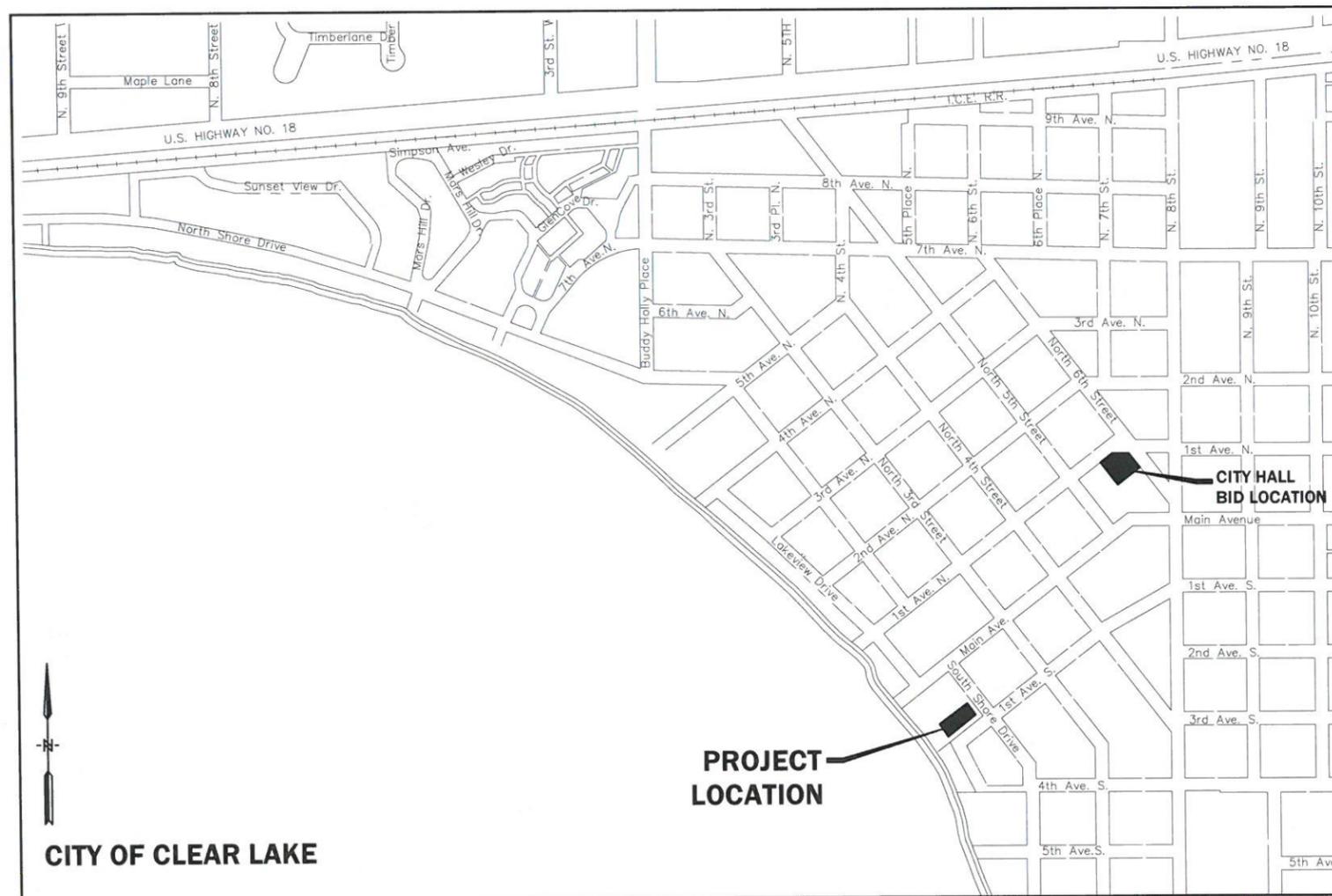
CITY OFFICIALS

MAYOR: NELSON CRABB
CITY ADMINISTRATOR: SCOTT FLORY
CITY CLERK: JENNIFER LARSEN
PUBLIC WORKS DIRECTOR: JOE WEIGEL
WATER SUPERINTENDENT: GREG FARWELL

60% SUBMITTAL NOT FOR CONSTRUCTION

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: _____
NAME: MARK A. SEIP
DATE: XX-XX-XXXX
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2014
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VICINITY MAP
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		ISSUED FOR					

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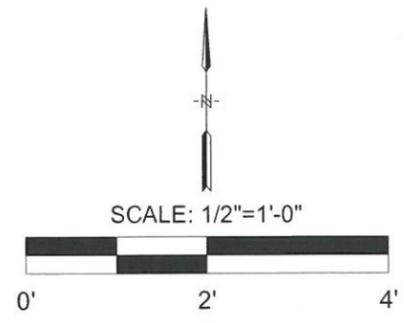
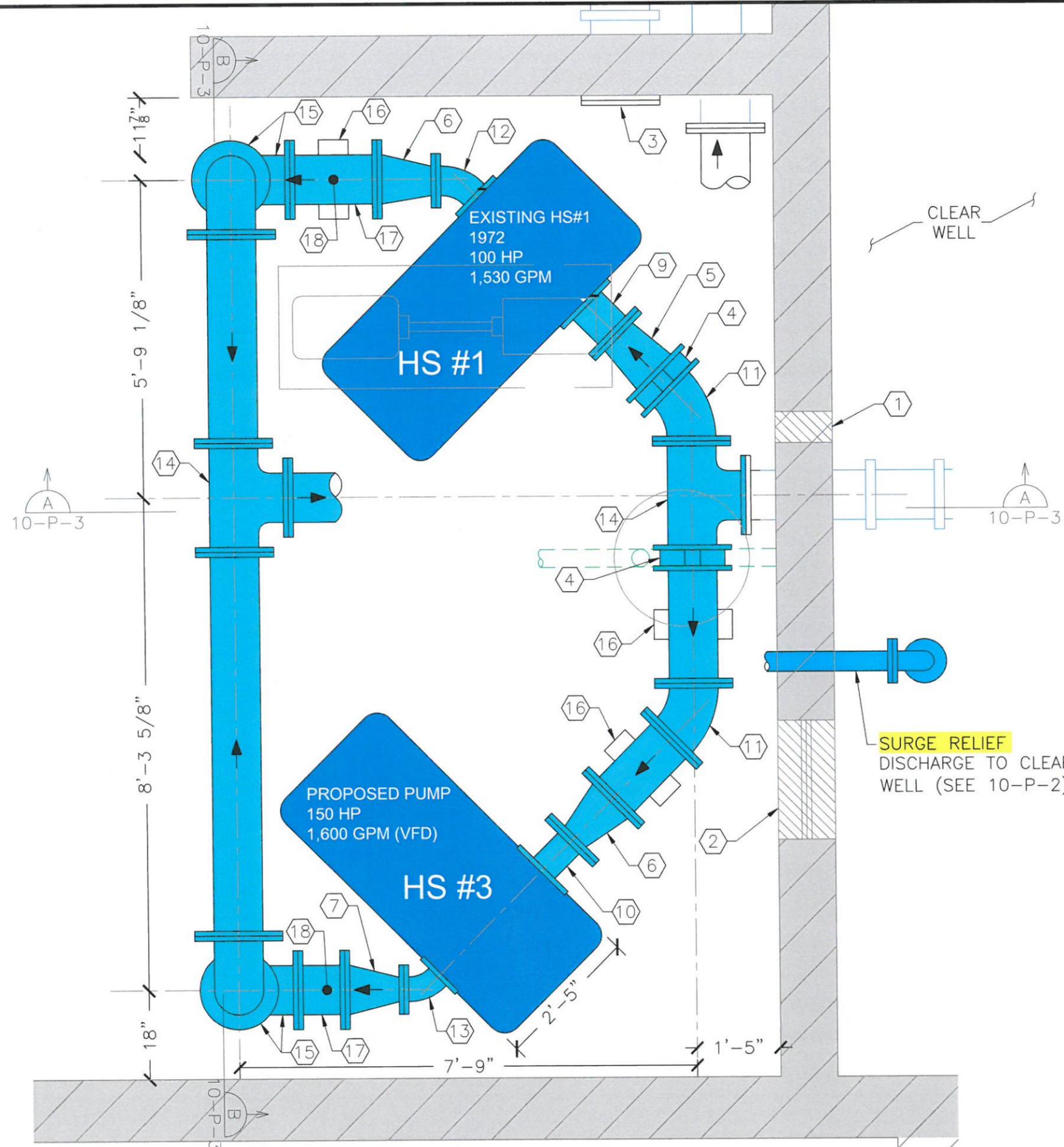


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SITE PLAN - LOCATION, STAGING AREA
 PROJECT 38132

DWG. NO.	02-C-1
PROJECT	38132

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GENERAL NOTES:

- LAYOUT FOR HS#3 BASED UPON F-M MODEL 1824 AND AURORA PUMP MODEL 410. ANY CHANGE FROM THAT WILL IMPACT PIPING LAYOUT AND WILL BE THE CONTRACTORS RESPONSIBILITY.

KEY NOTES:

- ① UNDERWATER FLOODLIGHT TO BE REMOVED AND HOLE PLUGGED PER STRUCTURAL.
- ② REMOVE WINDOW & FRAME ROUGHLY 2'X3' AND PLUG HOLE PER STRUCTURAL.
- ③ 12" BLIND FLANGE WHERE PIPING WAS REMOVED.
- ④ 10" BV - WAFER STYLE
- ⑤ 10"x8" REDUCER
- ⑥ 10"x6" REDUCER
- ⑦ 10"x5" REDUCER
- ⑧ 8"x6" REDUCER
- ⑨ 8" DISMANTLING JOINT (RESTRAINED)
- ⑩ 6" DISMANTLING JOINT (RESTRAINED)
- ⑪ 10" 45° ELBOW
- ⑫ 6" 45° ELBOW
- ⑬ 5" 45° ELBOW
- ⑭ 10" TEE
- ⑮ 10" 90° ELBOW
- ⑯ SEE DETAIL 495
- ⑰ SPOOL PIECE
- ⑱ TAP FOR GAUGE CONNECTION PER DETAIL 427

SURGE RELIEF
DISCHARGE TO CLEAR WELL (SEE 10-P-2)

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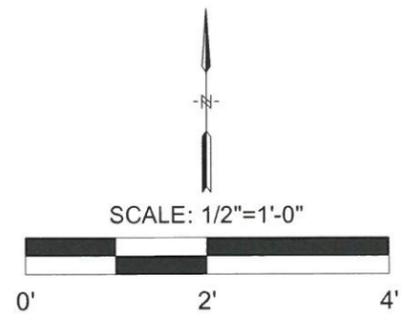
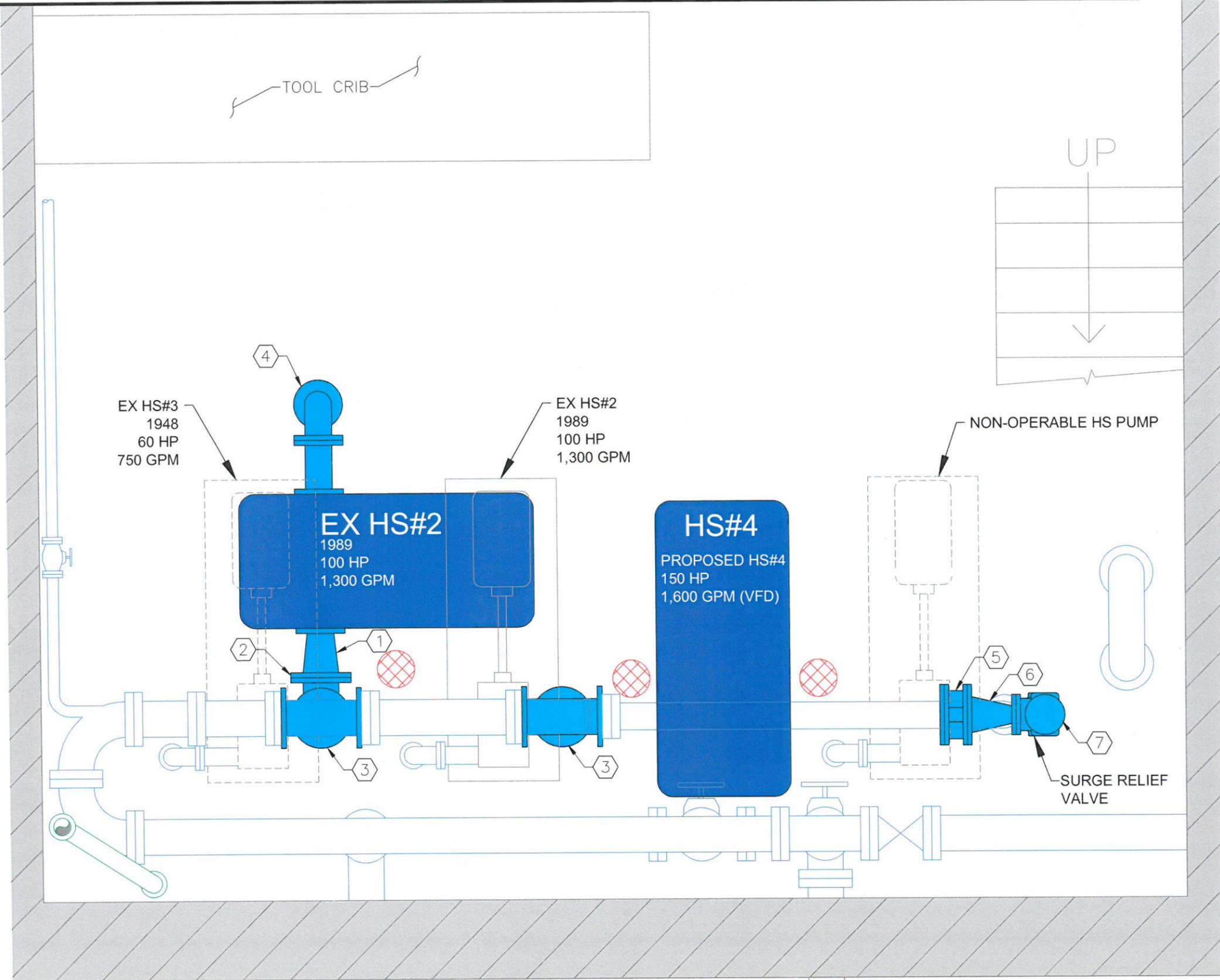


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PROPOSED 1972 HS PUMP #1, #3

DWG. NO.	10-P-1
PROJECT	383132

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GENERAL NOTES:

1. REMOVALS ARE OCCURRING ON TOP DECK OF THE 1948 CLEAR WELL. TAKE CARE TO PROTECT THE DECK.

KEY NOTES:

- ① 6"x8" REDUCER
- ② FLANGE FILLER IF NEEDED
- ③ REMOVE 8" WYE AND REPLACE WITH 8" TEE
- ④ 6" LR 90° BEND WITH FOOT VALVE BELOW
- ⑤ 8" BV WAFER STYLE
- ⑥ 8"x4" REDUCER
- ⑦ 4" GOLDEN ANDERSON SURGE RELIEF ANGLE VALVE

10" TO SERVICE
IN THE STREET

8" TO SERVICE
IN THE STREET

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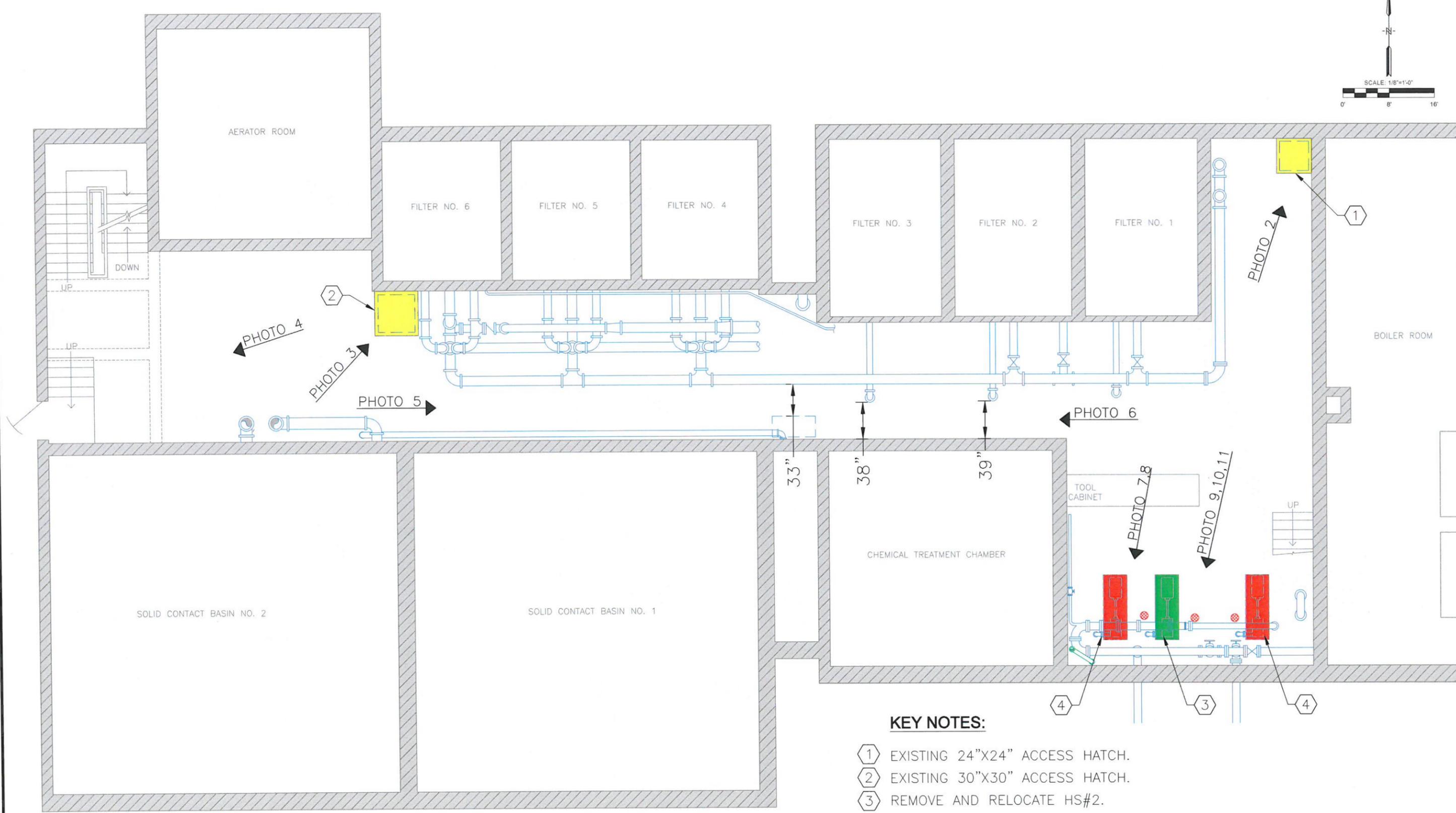
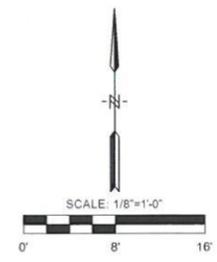


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PROPOSED
1948 HS PUMP
DISCHARGE PIPING

DWG. NO.	10-P-5
PROJECT	38132

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KEY NOTES:

- ① EXISTING 24"X24" ACCESS HATCH.
- ② EXISTING 30"X30" ACCESS HATCH.
- ③ REMOVE AND RELOCATE HS#2.
- ④ REMOVE PUMP, BASE, AND ANCILLARIES. REMOVE CONNECTING PIPE AND FITTINGS.

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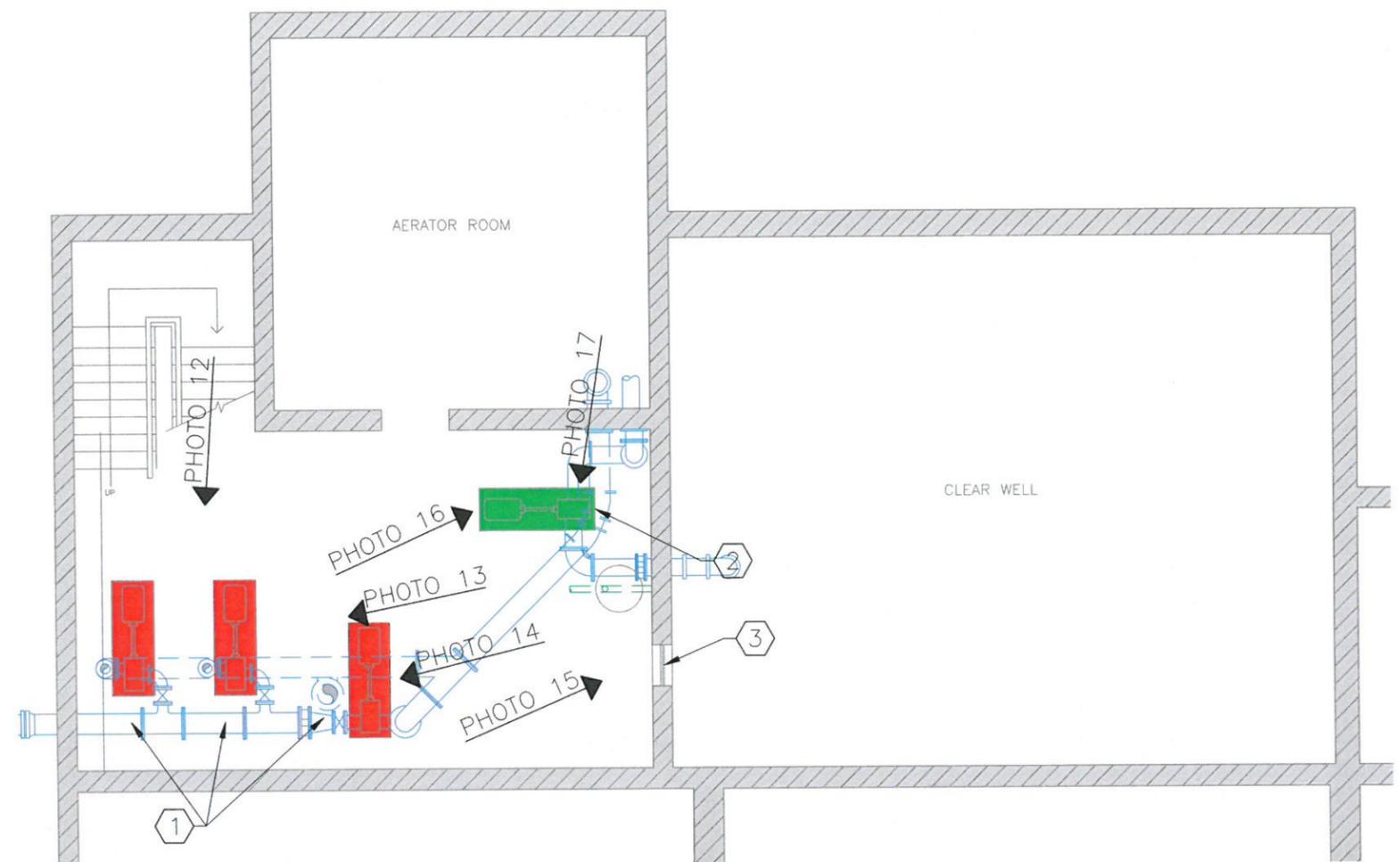


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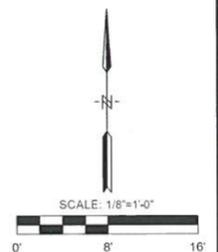
GALLERY FLOOR PLAN 1948 DEMOLITION / MODIFICATIONS	DWG. NO. 10-R-2
PROJECT	381312

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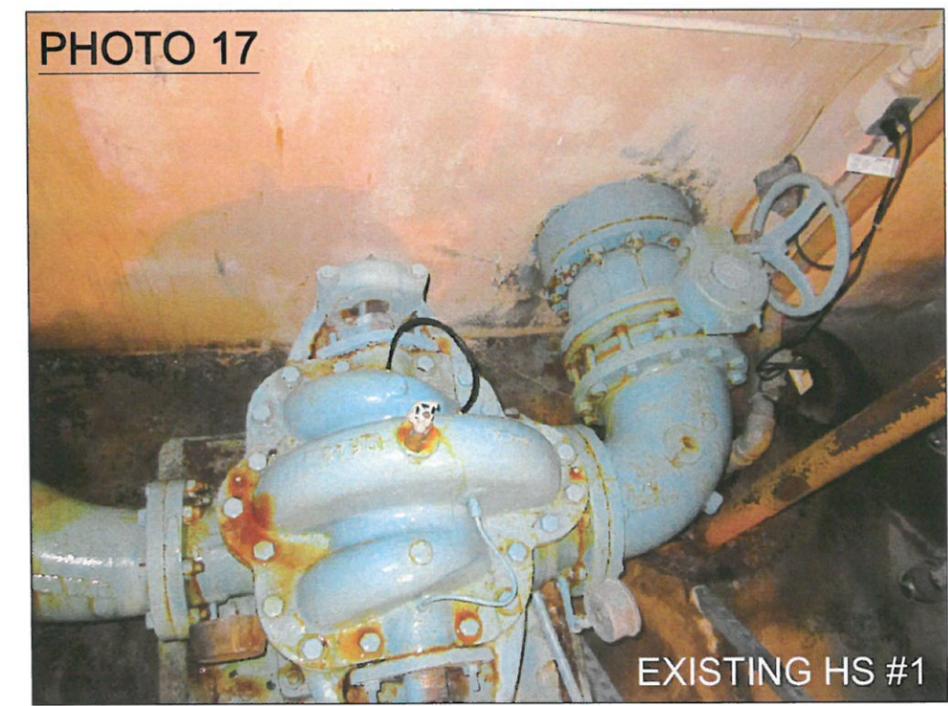
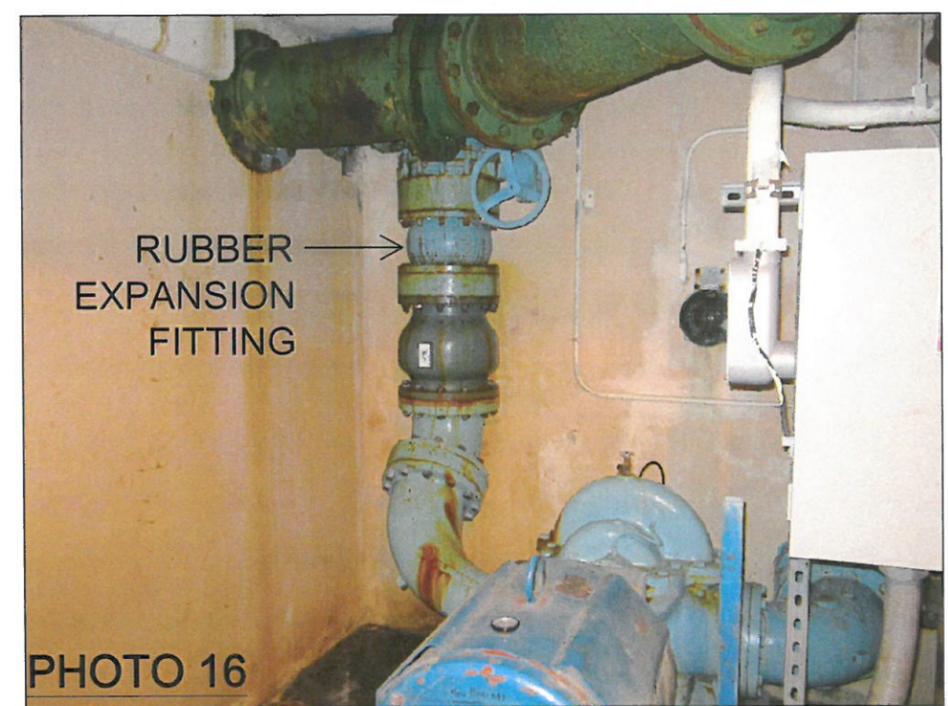


KEY NOTES:

- ① REMOVE LAKE PUMPS (3), BASES, PIPING, AND ANCILLARIES.
- ② REMOVE AND RELOCATE HS#1 PUMP.
- ③ REMOVE WINDOW AND FRAME AND FILL IN PER STRUCTURAL DETAIL.



DEMOLITION PICTURES WITH KEY NOTES:



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BASEMENT FLOOR PLAN 1972
 DEMOLITION / MODIFICATIONS

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PROJECT	381312

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EXISTING HS #3 TO BE REMOVED

PHOTO 7



EXISTING HS #2

EXISTING HS #3

PHOTO 8



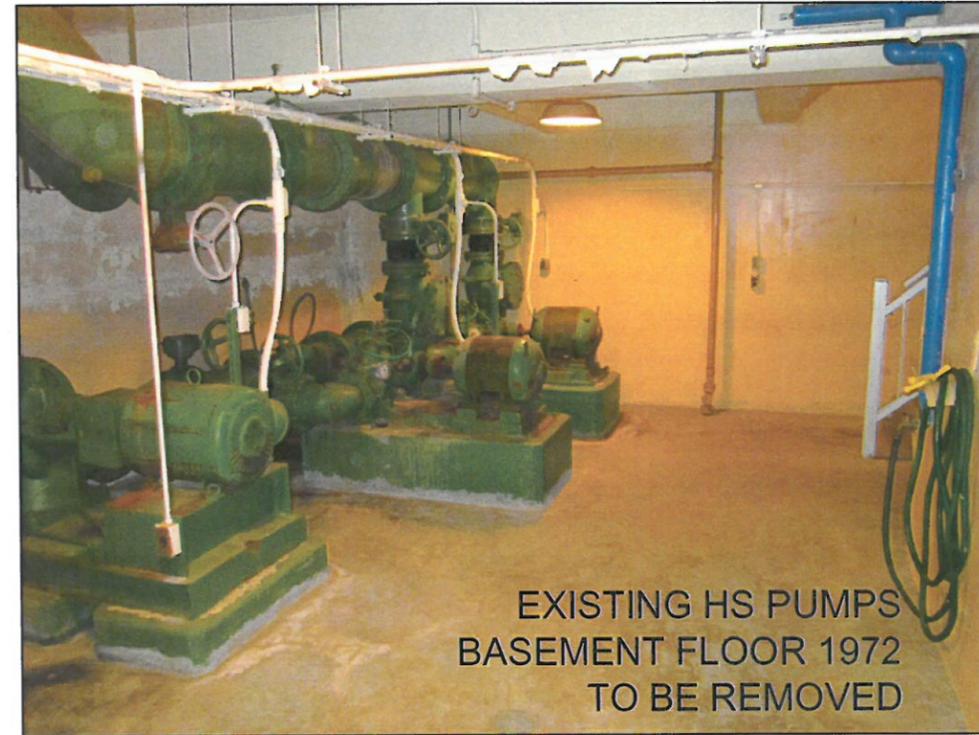
EXISTING HS PUMPS
BASEMENT FLOOR 1972
TO BE REMOVED

PHOTO 14



EXISTING HS PUMPS
BASEMENT FLOOR 1972
TO BE REMOVED

PHOTO 12



EXISTING HS PUMPS
BASEMENT FLOOR 1972
TO BE REMOVED

PHOTO 13

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DEMOLITION PHOTOS WITH NOTES

DWG. NO.	10-R-6
PROJECT	383132

