

**APPLICATION FOR
URBAN DESIGN COMMISSION
REVIEW AND APPROVAL**

AGENDA ITEM # _____
Project # _____
Legistar # 25786

DATE SUBMITTED: March 28, 2012

Action Requested

- Informational Presentation
 Initial Approval and/or Recommendation
 Final Approval and/or Recommendation

UDC MEETING DATE: April 4, 2012

PLEASE PRINT!

PLEASE PRINT!

PROJECT ADDRESS: 3900 E. Washington Avenue

ALDERMANIC DISTRICT: 17

OWNER/DEVELOPER (Partners and/or Principals) Madison Water Utility ARCHITECT/DESIGNER/OR AGENT: Potter Lawson / Strand Associates

CONTACT PERSON: Alan Larson, P.E. Principal Engineer

Address: 119 East Olin Avenue
Madison, WI 53713

Phone: (608) 266 - 4651

Fax: (608) 266 - 4426

E-mail address: ALarson@Madisonwater.org

TYPE OF PROJECT:

(See Section A for:)

- Planned Unit Development (PUD)
 General Development Plan (GDP)
 Specific Implementation Plan (SIP)
 Planned Community Development (PCD)
 General Development Plan (GDP)
 Specific Implementation Plan (SIP)
 Planned Residential Development (PRD)
 New Construction or Exterior Remodeling in an Urban Design District * (A public hearing is required as well as a fee)
 School, Public Building or Space (Fee may be required)
 New Construction or Addition to or Remodeling of a Retail, Hotel or Motel Building Exceeding 40,000 Sq. Ft.
 Planned Commercial Site

(See Section B for:)

- New Construction or Exterior Remodeling in C4 District (Fee required)

(See Section C for:)

- R.P.S.M. Parking Variance (Fee required)

(See Section D for:)

- Comprehensive Design Review* (Fee required)
 Street Graphics Variance* (Fee required)
 Other _____

*Public Hearing Required (Submission Deadline 3 Weeks in Advance of Meeting Date)

Where fees are required (as noted above) they apply with the first submittal for either initial or final approval of a project.



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March 28, 2012

Planning and Community & Economic Office
Planning Division
115 Martin Luther King Jr. Blvd., Suite LL-100
Madison Municipal Building
Madison, WI 53703

Re: Madison Water Utility Well No. 15 Volatile Organic Compounds (VOC) Removal

To Whom It May Concern:

On behalf of the Madison Water Utility, we request feedback from the Commissioners on the preliminary design of the above-referenced project.

Well No. 15 is located on the east side of Madison in the vicinity of East Washington Avenue and Thierer Road. See Figure 1.

The well was drilled in 1965 and has an approximate capacity of 3 million gallons per day. VOC levels, particularly perchloroethene (PCE), have been rising at the well for the past several years. To investigate the overall water supply needs on the east side of Madison, the Utility hired Black and Veatch Inc. of Kansas City, Missouri, to develop a capital improvement plan for the Utility. A recommendation from this plan is the installation of an air stripper at Well No. 15 to remove the VOC from the finished water.

Madison Water Utility owns a 110-x 60-foot lot for the Well No. 15 facility. The lot abuts Reindahl Park and a small shopping center. The site contains the well, well house, underground reservoir, and standby generator as shown in Figure 2.

The possibility of expanding the existing building on the existing site is limited. The current design contemplates the VOC air stripper will be enclosed in a new building located on top of the existing underground reservoir as shown in Figure 3.

The building addition will contain separate spaces for water treatment, air blowers, and new electrical equipment. The size of this equipment determines the minimum amount of floor space and the ceiling height needed in each functional space.

Possible elevation views of the modified building are shown in Figure 4. These elevations accommodate the new equipment plus provide screening for required roof-mounted ducts and

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Planning Division
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vents. Brick on the new building closely resembles the brick on the existing building. The higher, middle portion of the building is faced with fiber-reinforced concrete panels.

The three enclosed pages of photographs provide the contextual setting for the facility.

Sincerely,

STRAND ASSOCIATES, INC.[®]

A handwritten signature in black ink, appearing to read "Mark Oleinik", written over the printed name of the company.

Mark Oleinik, P.E.

Enclosures

c/enc.: Mr. Doug Hursh
Mr. Alan Larson



Property Lines

Underground Reservoir

Well House

Generator

SITE PLAN
3900 EAST WASHINGTON AVENUE

MADISON WELL NO. 15 VOC REMOVAL
MADISON WATER UTILITY
DANE COUNTY, WISCONSIN

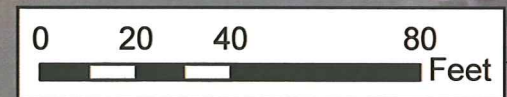
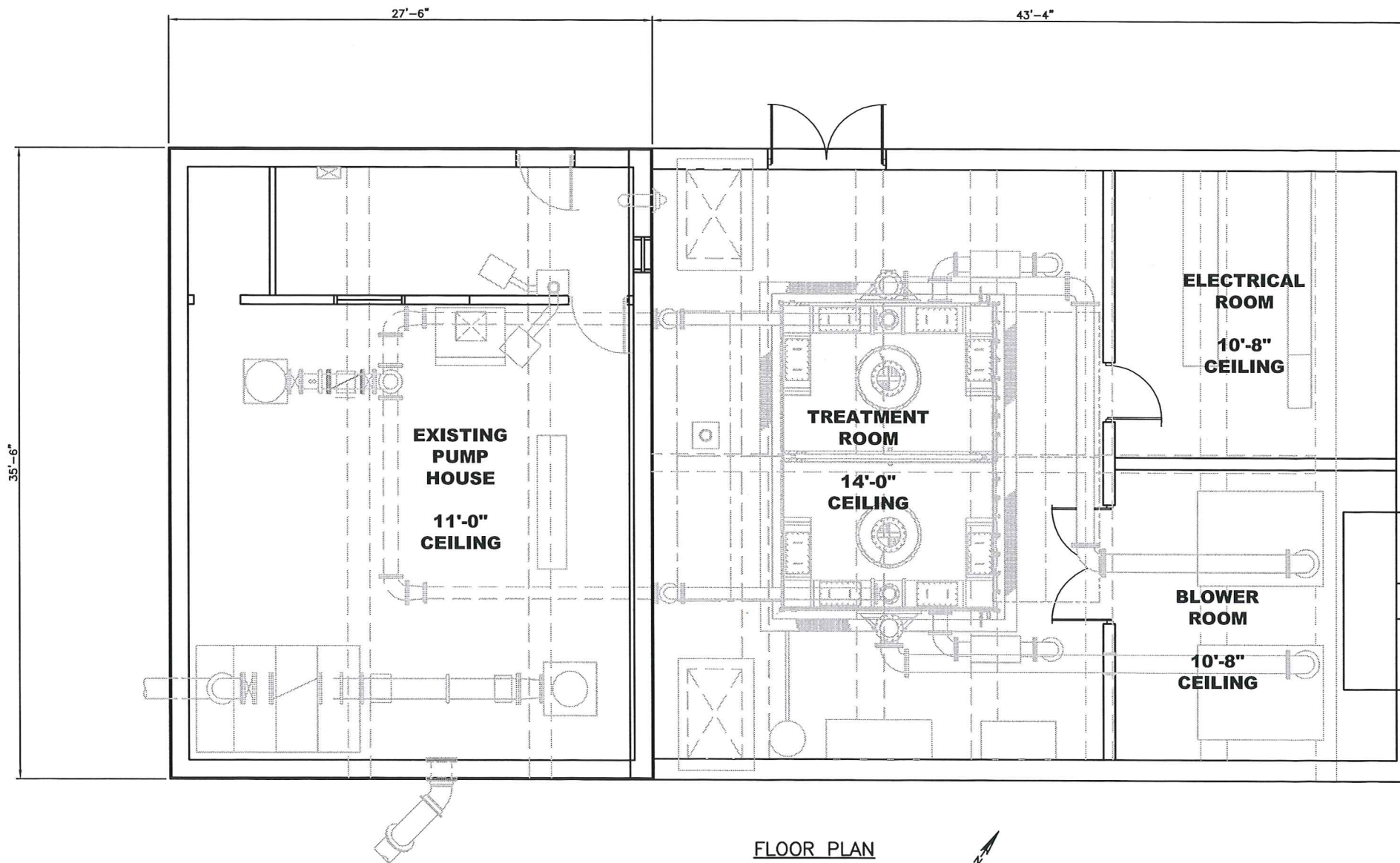


FIGURE 2
1020.066



FLOOR PLAN

MADISON WELL NO. 15
 VOC REMOVAL
 MADISON WATER UTILITY
 DANE COUNTY, WISCONSIN



FIGURE 3
 JOB NO. 1020.066

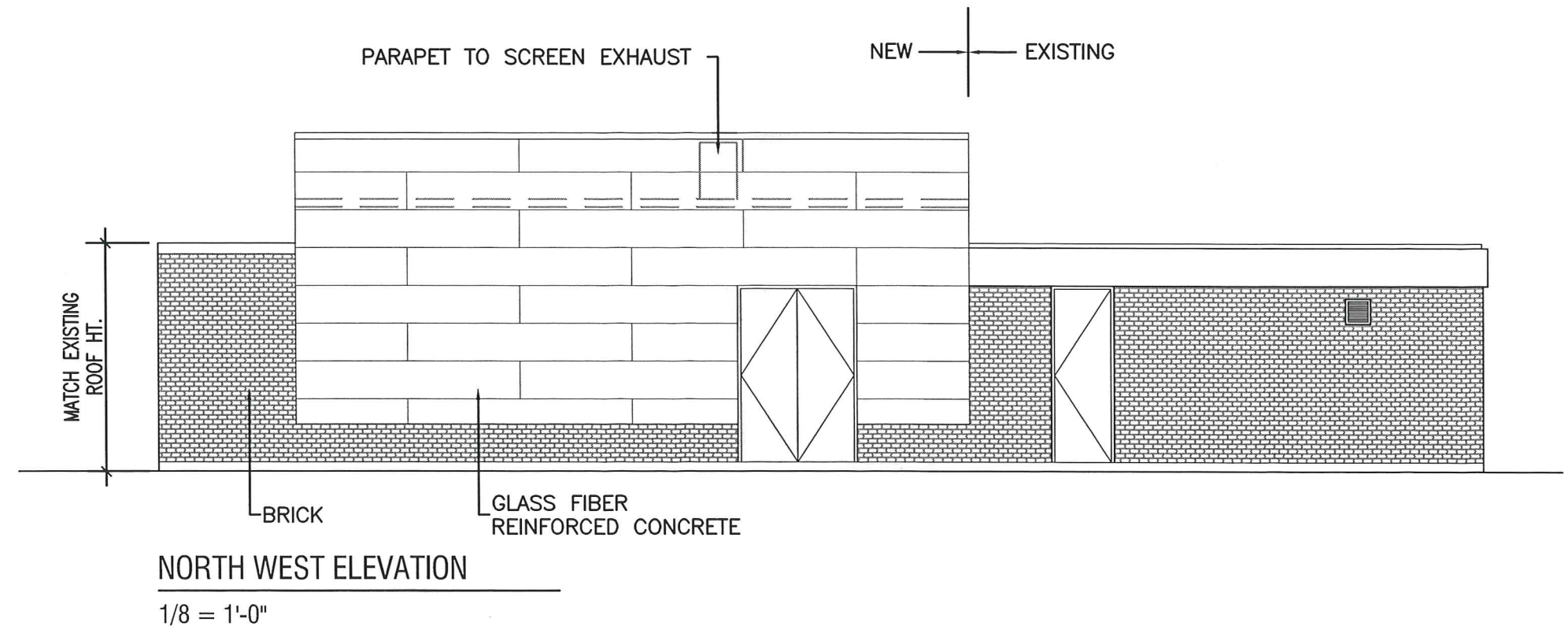
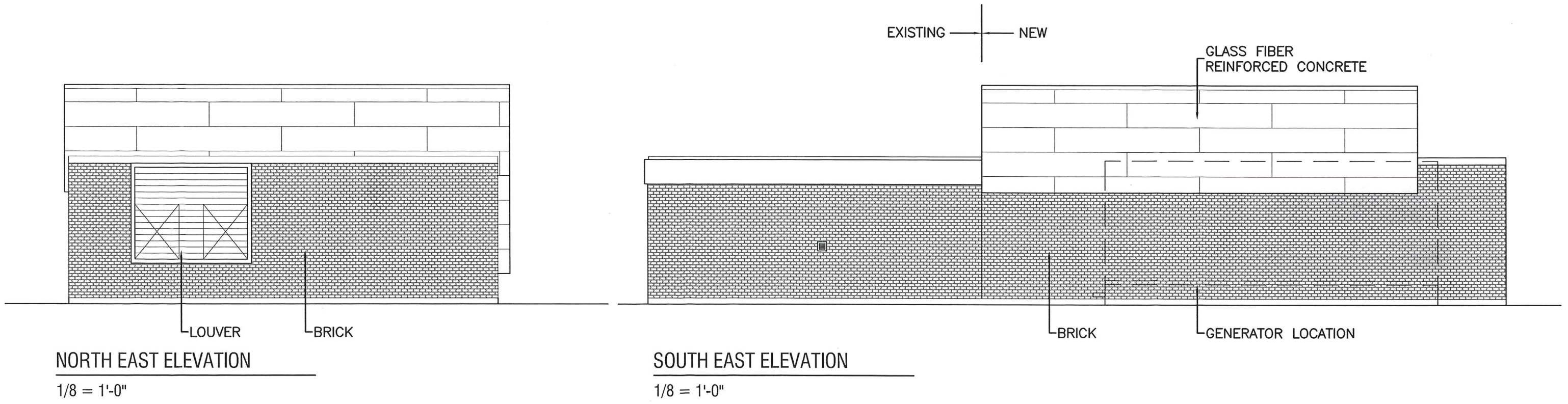


Figure 4
Schematic Elevations
Madison Well 15
March 22, 2012

Contextual Site Information



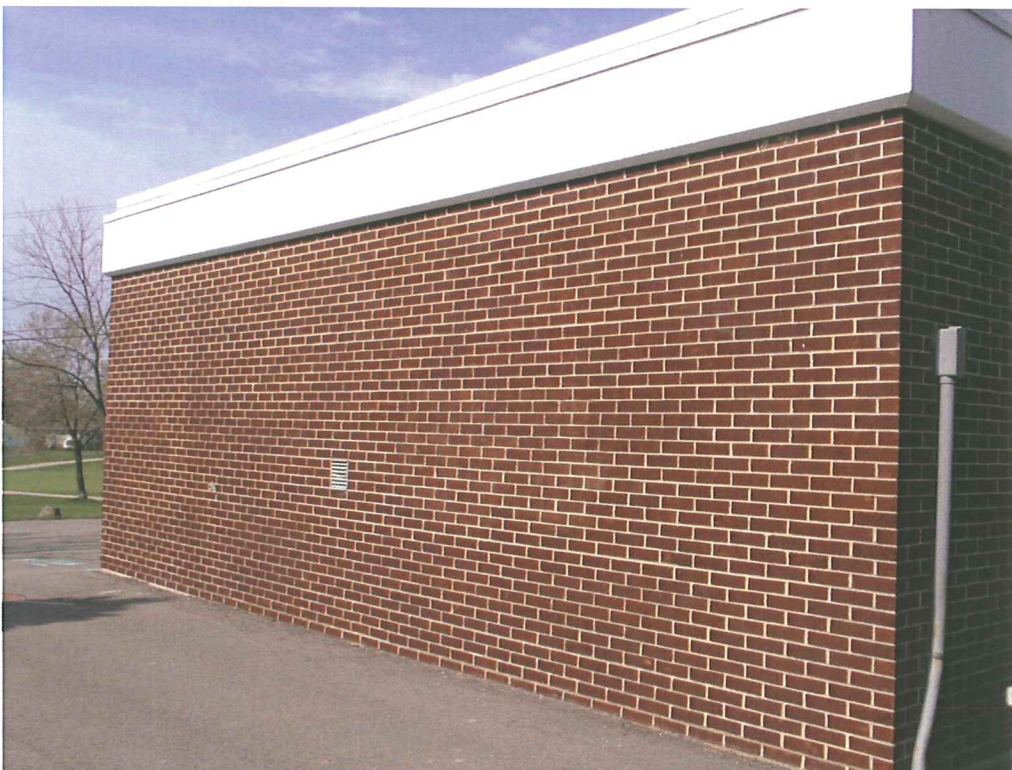
Picture 1
Southwest Elevation of Existing Pumping Station



Picture 3
Northeast Elevation of Existing Pumping Station.



Picture 2
Northwest Elevation of Existing Pumping Station.

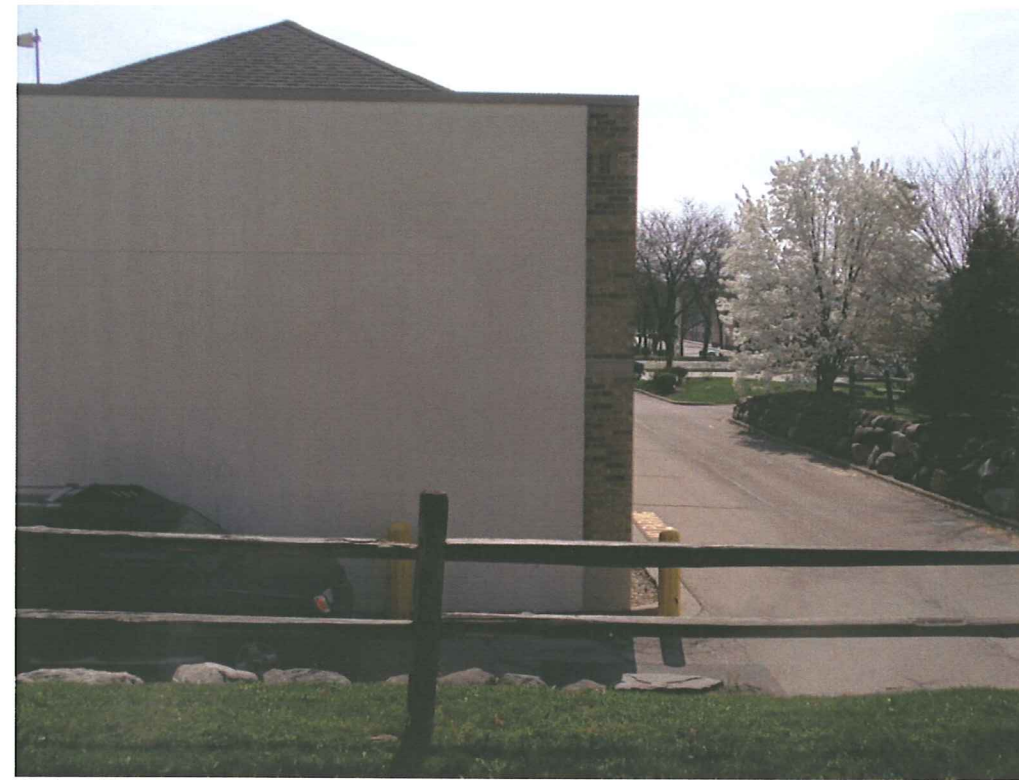


Picture 4
Southeast Elevation of Existing Pumping Station.

Contextual Site Information



Picture 5
Facing southwest at southwest wall of existing pump station.



Picture 7
Facing southeast at southeast wall of existing pump station.



Picture 6
Facing south-southwest at southwest corner of existing pump station.



Picture 8
Generator set to south of existing buried reservoir.

Contextual Site Information



Picture 9
Facing northeast at northeast wall of existing pump station.



Picture 11
Facing northwest at northwest wall of existing pump station. Bike path, community garden, and Reindahl Park.

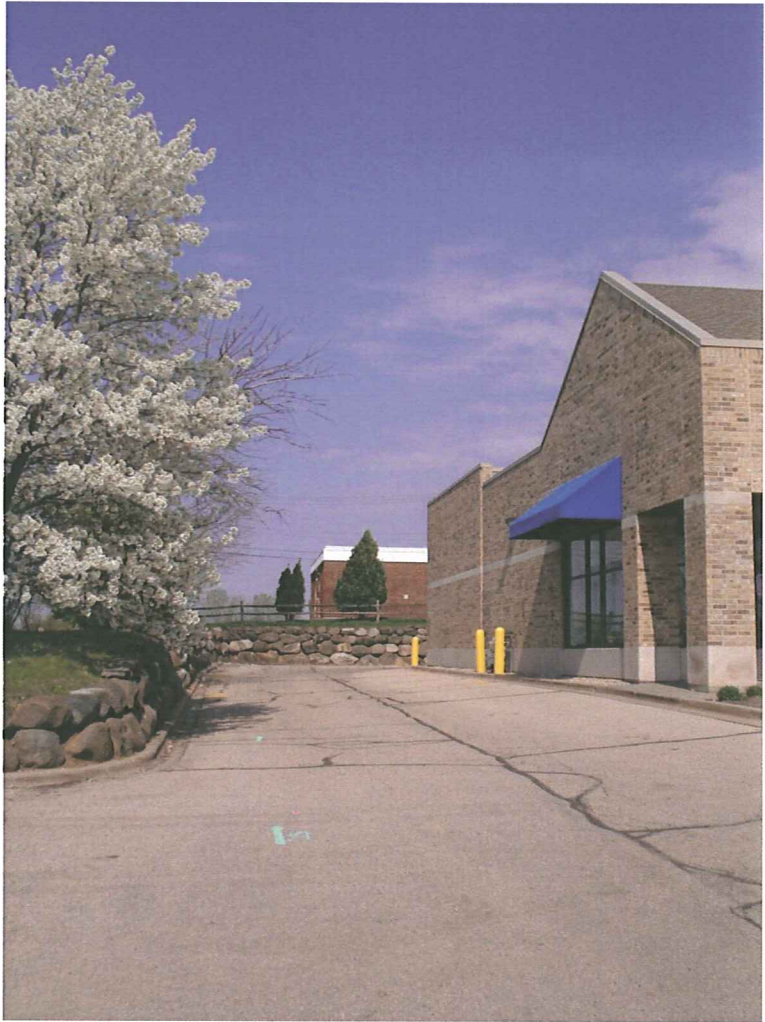


Picture 10
Facing north-northeast at northeast corner of existing pump station. Bike path and Reindahl Park.



Picture 12
Facing west-northwest at northwest corner of existing pump station. Bike path and Reindahl Park.

Contextual Site Information



Picture 13
Existing Station in Background from sidewalk on East Washington Avenue.



Picture 14
3902 East Washington Ave. Neighboring property to east.



Picture 15
3868 East Washington Avenue. Neighboring property to the west.



LOCATION MAP

**MADISON WELL NO. 15 VOC REMOVAL
MADISON WATER UTILITY
DANE COUNTY, WISCONSIN**



**FIGURE 1
1020.066**